DOCUMENT RESUME

ED 101 467

EA 006 748

TITLE

Strengthening Instruction in Academic Subjects. Title III, National Defense Education Act as Amended,

Annual Report, Fiscal Year 1971.

INSTITUTION
REPORT NO
PUB DATE

Office of Education (DHEW), Washington, D.C.

DHEW-OE-74-21000

[74]

NOTE

58p.: A related document is ED 082 382

EDRS PRICE DESCRIPTORS

MF-\$0.76 HC-\$3.32 PLUS POSTAGE Administrative Policy; Elementary Secondary Education; *Expenditures; *Federal Aid; Federal Legislation; *Federal Programs; Federal State

Relationship; Instructional Improvement; *Management by Objectives; Management Systems; Private Schools;

*Program Administration; State Departments of

Education: State Federal Aid

IDENTIFIERS

*National Defense Education Act Title III; NDEA Title

. III

ABSTRACT

This report is derived from narrative reports for fiscal year 1971 submitted to the U.S. Office of Education by each State department of education. Under Title III of the National Defense Education Act, the Federal government provides matching funds to each State to strengthen instruction in 12 major academic subjects. During fiscal year 1971 the Office of Education developed a management by objectives system to achieve more efficient use of Title III funds by individual States, and each State submitted a new State plan for better management of its Title III programs. Each of these activities is described in separate sections of the report. In addition, the report describes a few exemplary projects utilizing Title III funds and summarizes procedures for assessing each State's educational needs and administering the expenditure of Title III funds. Four tables provide a detailed breakdown of each State's expenditures under Title III in fiscal 1971, and another table lists total Title III expenditures for 1959-71. (Author/JG)

Strengthening Instruction in Academic Subjects

Title III, National Defense Education Act As Amended, Annual Repork Fiscal Year 1971

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CONTENTS

| | | Page |
|----|---|------|
| 1. | Introduction | 1 |
| 2. | Management by Objectives | 4 |
| 3. | Management Activities | 11 |
| 4. | Evidence of Achievement | 18 |
| 5. | Exemplary Projects | 20 |
| 6. | Matching Patterns | 38 |
| 7. | Anticipa :d Needs for Equipment and Materials | 38 |
| 8. | Administration of NDEA Title III | 44 |
| 9. | Loans to Private Nonprofit Elementary and Secondary Schools | 46 |
| | TABLES | |
| 1. | Federal and State funds expended for NDEA title III State administration: Fiscal year 1971 | 48 |
| 2. | Federal and State-local expenditures for materials and equipment and minor remodeling under NDEA title III: Fiscal year 1971 | 49 |
| 3. | Sources of funds and percent of total expenditures for acquisition of equipment and materials and minor remodeling under NDEA title III: Fiscal year 1971 | 50 |
| 4. | Federal and State-local funds expended for materials and equipment under NDEA title III in seven academic subject areas: Fiscal year 1971 | 51 |



1. INTRODUCTION

Fiscal year 1971 was the 13th year in which the title III, National Defense Education Act (NDEA), program supported the improvement of instruction in academic subjects taught in elementary and secondary schools through the purchase of equipment, materials, and minor remodeling, and through supervisory and related services provided by State departments of education. The program provides matching funds to strengthen instruction in 12 academic subjects: the arts, civics, economics, English, geography, history, the humanities, industrial arts, mathematics, modern foreign languages, reading, and science.

Beginning in 1968, funds totaling \$5.5 million for supervisory and related services were deleted from the NDEA title III appropriation and added to that of title V of the Elementary and Secondary Education Act (grants to strengthen State departments of education). Administration of NDEA title III continued to be funded through an appropriation of \$2 million in fiscal years 1968-71.

The allotments to States under NDEA title III for fiscal years 1959-71 are tabulated on the following page.

NDEA title III is a matching program. The Federal share is up to one-half of the expenditures for acquisition of equipment, materials, and minor remodeling, and for administration of the State plan.

The loan program provides funds at a reduced rate of interest to private nonprofit schools for the same purposes as the acquisitions program for



1

public schools - strengthening instruction through equipment, materials, and minor remodeling. For fiscal year 1971, the interest rate was 8 percent.

Allotments for equipment, materials, minor remodeling; administration of the State plan; and loan programs under NDEA title III: fiscal years 1959-71

| Fiscal year | Equipment materials, minor remodeling | Administration of the State plan | Loan program | |
|-------------|---------------------------------------|--|----------------------|--|
| 1959 | \$49,280,000 | \$1,350,000 | \$ 6,720,000 | |
| 1 60 | 52,800,000 | 4,000,000 | 7,200,000 | |
| 1961 | 47,520,000 | 3,750,000 | 6,480,000 | |
| 1962 | 47,520,000 | 3,750,000 | 6,480,000 | |
| 1963 | 47,520,000 | 3,750,000 | 6,480,000 | |
| 1964 | 42,512,952 | 3,365,070 | 6,480,000 | |
| 1965 | 69,992,500 | 4,619,215 | 9,600,000 | |
| 1966 | 78,637,010 | 6,831,163 | 10,800,000 | |
| 1967 | 79,200,000 | 8,980,000 | 10,800,000 | |
| 1968 | 75,240,000 | 2,000,000 1/ | 1,000,000 | |
| 1969 | 75,240,000 | 2,000,000 | 1,000,000 <u>2</u> / | |
| 1970 | 34,679,000 | 2,000,000 | 500,000 | |
| 1971 | 47,500,000 | 2,000,000 | 500,000 | |

^{1/} Until fiscal year 1968, State supervisory and related services were supported in addition to administration.

^{2/} Beginning in 1969, the loan program funds were no longer allotted by States but administered as a total amount for the United States.

This report for fiscal year 1971 is derived from the narrative reports submitted by each State department of education to the U.S. Office of Education.

The administration of the NDEA title III program entered a new phase in fiscal year 1971. States began operating the program through a new State plan, a list of assurances drawn from the statute. The new State plan format was developed by the Federal Assistance Streamlining Task Force (FAST) and was intended to make management of the program more efficient through reduction of paper-work. Plans were approved during the year for 50 States, American Samoa, the District of Columbia, Guam, Puerto Rico, the Trust Territory of the Pacific Islands, Virgin Islands, and Bureau of Indian Affairs.

A second change, which had great impact on the effectiveness of the program, was establishment of a management-by-objectives system. The Office of Education, with help from the States, developed a Program and Operational Procedures manual. The manual includes an explanation and examples of assessing instructional and equipment needs, developing goals and objectives, setting priorities, planning activities, and measuring results to achieve more effective use of funds for improving instruction through equipment and materials.

In 1970 and 1971, the Office of Education sponsored workshops and a series of regional conferences to inform State departments of education about, and receive their assistance in, refining regulations, forms, and the Program

and Operational Procedures manual. States then planned their own management-by-objectives system and assisted local education agencies in applying the system to project development. All States had begun conversion to the new system by the beginning of fiscal year 1972.

2. MANAGEMENT BY OBJECTIVES

Two types of objectives were developed in fiscal year 1971 by State education agencies: program and management.

Program objectives deal with accomplishment of the purpose of the Act.

Examples are (1) increasing the number of students able to take laboratory science during the year, (2) adding equipment and material enabling a certain number of schools to increase their offerings in foreign languages, and (3) raising the number and quality of items of equipment and materials to a specified standard.

Management objectives, on the other hand, are intended to help accomplish the administration of the Act. Regulatory, service, and leadership activities designed to help local education agencies achieve their program objectives are included in this category. The activities generally are concerned with such functions as project development, review, monitoring, and reporting. Other functions are planning and evaluation, information systems, and financial management.

Objectives developed by State departments of education sometimes overlap program and management types. Of the statements of objectives reported for 1971, the largest number (75 percent) were in management.

Management objectives included such matters as:

- a. Assisting local education agencies in performing needs assessments
- b. Developing better plans, programs, and evaluation systems
- c. Developing data management systems
- d. Aiding local education agencies in management-by-objectives techniques
- e. Simplifying application procedures
- f. Providing inservice training and workshops for teachers
- g. Disseminating information about NDEA III and successful projects.

Program objectives dealt with matters such as:

- a. Developing minimum State standards
- b. Increasing quantity and quality of equipment and materials
- c. Supporting special and experimental programs
- d. Emphasizing individualized instruction
- e. Improving instruction in the academic subject areas.

The objectives fell into four general categories, three of which were management and one program. In the first, a few States developed objectives that tended to simplify the application procedures for local education agencies. One State mentioned the testing, on a pilot basis, of a consolidated application form. Another State indicated that it was developing a project application review process designed to decrease the time required for the evaluation and approval or rejection of applications submitted by local education agencies.

5

Another area with which the objectives dealt was that of financing the program. These objectives were concerned with financial assistance to local education agencies on a matching basis. One State was trying to ensure equitable educational opportunity through allocation of matching funds on the basis of student needs. Another State intended to distribute 80 percent of its NDEA title III allotment on a per pupil basis. The remaining 20 percent would be distributed for special acquisition projects.

A third State similarly indicated that up to 40 percent of the Federal and State funds available would be distributed to the applicant agencies for standard projects on a per capita matching basis. The remaining 60 percent would be open to all districts and eligible applicants and would be matching funds for special projects.

A third general category was leadership. Examples of this are (1) offering consultative services to local education agencies, (2) helping to establish minimum statewide standards for the purchase of equipment and materials, (3) aiding the local education agencies in writing measurable or behavioral objectives, (4) setting up management by objectives systems, and (5) urging local education agencies to participate in the NDEA title III program. The States also encouraged local education agencies to develop model, experimental or innovative projects or proposals and offered their assistance in such projects. Most States, therefore, assumed the leadership role in promoting improvement and expansion in the academic subject areas.

A fourth category focused on program objectives to strengthen instruction in academic subjects by providing funds for the acquisition of instructional

equipment and materials. In setting minimum standards, one State reported a three-phase plan for obtaining equipment and materials.

| Category | Phase I | Phase II | Phase III |
|--|---|--|--|
| Books | At least 6,000 volumes representing 6,000 titles or 10 books per pupil, whichever is greater. | 8,000 volumes representing at least 6,000 titles or 12 books per pupil, whichever is greater. | 10,000 volumes representing at least 8,000 titles or 15 books per pupil, whichever is greater. |
| Filmstrips | 500 titles or 1 print per pupil, whichever is greater. | 750 titles representing 1,000 prints or 2 prints per pupil, whichever is greater. | 1,000 titles representing 1,500 prints or 3 prints per pupil, whichever is greater. |
| 16mm Projectors | 1 per 10 teaching stations or 1 per floor plus 1 in media center. | l per 4 teaching stations plus 2 in media center. | 1 per 2 teaching stations plus 5 in media center. |
| T.V. (Minimum 23-inch Screen) | l per floor on cart and class-rooms equipped with antenna lead-in. | l per teaching station where pro- grams available. | 1 per 24 pupils plus 1. |
| Video Tape Recorders | Accessible for experimentation. | Available in school district. | 1 per building. |

In the area of modern foreign languages, one State considered these items as minimal to support instruction:

- 1. Globes (target language text only): 1 per classroom.
- 2. Maps (target language area and text only): 1 per classroom.
- 3. Charts (target language text only): 1 per 3 classrooms.
- 4. Games: 1 per title per classroom.
- 5. Photos: 1 set per language.



- 6. Posters: 1 set per language per classroom if component of basic text material; 1 set per language per 3 classrooms if supplemental.
- 7. Flags (appropriate to target language): 1 per classroom.
- 8. Storage facilities for NDEA title III equipment (certification required).

Another State established adequacy standards for instructional levels; e.g.:

- Level 1: base minimum -- textbooks, library books, science equipment, maps, globes, etc.
- Level 2: audiovisual materials, media centers properly staffed.
- Level 3: individually prescribed instruction -- carrels, film loops, slides, filmstrip with accompanying tape recorder.
- Level 4: electronic equipment for computer assisted instruction, dial access equipment.
- Level 5: educational technology usage in education.

A few States reflected national objectives in education such as the Right to Read, career education, and environmental education. In establishing an environmental education program, one State set six objectives:

1. By June 30, 1971, three regional environmental science conferences to be conducted to inform school districts of the urgency of developing and implementing effective environmental education programs in all schools.

- 2. By June 30, 1971, a draft of basic environmental concepts related to natural resources for an interdisciplinary curriculum to be available for work sessions.
- 3. By June 30, 1971, outdoor environmental laboratories to be established in 10 representative local education agencies where the educational staff has had some previous training in environmental education.
- 4. By June 30, 1971, development of a comprehensive State plan for environmental education to begin with committee action evolving from the Advisory Council to the State Department of Education.
- 5. By June 30, 1971, mini-workshops to be planaed and implemented for teachers of five local education agencies. Agency personnel to plan and conduct the workshops to familiarize teachers with the resources available in their communities useful in teaching environmental concepts.
- 6. By January 15, 1971, the State department of education to help one college develop plans for offering environmental science during the summer to at least 30 classroom teachers and to students in teacher education programs throughout the school year.

As part of its Right to Read program, one State intended to strengthen the reading activities of 25 percent of its schools by the purchase of items appropriate to the local program.

Another State intended to identify for participating local education agencies types of programs which would:

- 1. Meet the needs of the slow learner.
- Provide a foundation for career education which is basic to occupational pursuits.
- 3. Adequately provide for students who anticipate pursuing higher education programs.

In promoting experimental programs, one State encouraged selected local ed cation agencies to develop pilot and experimental programs in the academic subject areas. Another State indicated the establishment of consultant and advisory services to assist local education agencies in planning and carrying out promising experimental activities to meet unusual instructional problems.

For social science instruction, one State intended to provide a shift from the teacher oriented textbook-lecture approach to one which involved problem-solving, critical analysis, inquiry and inductive methodology.

One State's objective was to immerse the student in those areas of industrial arts requiring active dialogue, problem-solving, and in-depth research rather than the traditional lecture method. Three laboratories were suggested to be available to all school districts. The scope and nature of these laboratories would be determined by the intent of the program. They would allow the student an opportunity to solve problems, to create, to test ideas, to experiment with materials, and to encourage observation.

Almost all States indicated that their objectives for fiscal year 1971 would continue unchanged into fiscal year 1972. Those which were going to add new objectives in fiscal year 1972 were doing so in the areas of aiding local districts in writing measurable objectives, offering increased service to districts such as inservice training and workshops for teachers, and making on-site visitation to participating school districts.

3. MANAGEMENT ACTIVITIES

States are directing increased attention to improved management of the NDEA title III program. State coordinators worked in cooperation with State department of education planning units to develop a consistent, systematic plan for more effective and efficient administration of all Federal grant programs. Several coordinators referred to the development of a written manual which outlined for the year management objectives and operational procedures in specific. Objectives were in accord with the State's priority goals; they were also usually based on a reassessment of needs for equipment and materials to strengthen instruction in the academic subjects. In fact, all reports indicate that State administrators of the NDEA title III program did a considerable amount of planning to improve the administration and operation of the program. Various planning activities may be summarized'as follows:

- 1. A study of critical documents, regulations, guidelines, and written policies pertaining to the program from both Federal and State levels;
- 2. Reassessment of needs;



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- 3. Formulation of management and program objectives;
- 4. Revision of administrative policies, standards for eligibility of equipment, and accounting forms;
- 5. Revision of forms and guidelines to facilitate the process of project applications and of project reporting;
- 6. Conduct of regional meetings to apprise local education agencies of such changes and revisions;
- 7. Formulation of office procedures and of projected workloads; and
- 8. Budgeting of administrative funds.

The subsequent paragraphs summarize reported management activities which relate specifically to four components of project administration: project development, project review, project monitoring, and project reporting.

Project Development

State coordinators reported various types of methods which were employed to improve the quality of local NDEA title III projects. Most frequently mentioned were the cooperative arrangements which were made with State department of education personnel, particularly with supervisors, with consultants for the academic subjects and with media specialists, to provide systematic and consistent assistance to local school districts in planning projects and in writing project applications.

Usually, States arranged regional conferences during which time general information and documents relating to project development were disseminated. A few States reported that the visual presentations, followed by discussions,



of exemplary projects which were included on conference agendas contributed to the improvement of projects. Arrangements were often made for appropriate State personnel to visit and assist local school personnel with the development of projects. However, most States reported that subject area specialists were available upon request to assist in project development.

In the development of projects, most States encouraged local education agencies to focus attention on one or more of three components: concentration on a priority need; formulation of performance objectives; and coordination with other Federal programs. Three priority needs were mentioned most frequently; namely, individualization of instruction, multi-media approach to teaching, and improvement of reading programs.

NDEA title III was most frequently coordinated with title II of the Elementary and Secondary Education Act.

Many States reported that local projects were improved as a result of this planned and consistent leadership and as a result of the cooperative assistance from subject area consultants, from media specialists, and from State personnel representing other Federal programs.

Project Review

Practically all States reported that projects were reviewed by the NDEA title III administrative staff and by the appropriate subject matter consultant(s). Several States reported that other State department of education staff also reviewed projects. A few States arranged for appropriate personnel from local school districts or for specialists from

institutions of higher education to assist State department of education staff in reviewing project applications. Many State coordinators developed special evaluation forms which were used by all reviewers. Some of these forms provided for a ranking scale to be applied to each item of a list of criteria as well as for precisely stated recommendations to improve the project.

Review procedures vary among States. The procedure followed in most States appears to be somewhat as follows: Upon receipt of project application, the NDEA title III coordinator, or a member of the administrative staff, records the date of receipt and checks the application for computational accuracy and for compliance with regulations and guidelines. If questions arise, the school district is contacted by telephone and minor adjustments are negotiated or the application returned for necessary changes to be made. After this clearance, the application is referred to the appropriate subject specialist for review and recommendations. At this point, in some States, subject area consultants contact the school district directly to negotiate changes to improve the project; in most States, the reviewer makes recommendations and returns the application to the coordinator who is responsible for final negotiations and approval.

A few States arrange for all reviews to be conducted at the same time at a central location. One State reported the following procedure:

Reviewers are divided into teams, each with responsibility for those applications relating to one academic subject area. Members of the

NDEA title III administrative staff serve as coordinators of the review process, each assigned to one or more teams. These four- or five-member teams, composed of personnel from both the State education agency and the local school districts, usually consist of an administrator, a teacher, a supervisor or curriculum specialist, and the subject matter specialists. Using an evaluation form, the team reviews each application, after which ranked scores and recommendations are submitted to the NDEA title III staff for final negotiations and approval or disapproval.

An excerpt from one report is illustrative of the more sophisticated review procedures:

Each proposal was reviewed and ranked in terms of the degree to which the needs, objectives and proposed program activities were clearly stated, and the degree to which the project gave evidence of high potential for enrichment of instruction in the academic areas....All reviewers completed the prepared evaluation forms which became part of the project file and were used for negotiating changes which strengthened the project.

Project Monitoring

All States reported that projects were monitored during regular visits to local school districts by subject matter consultants and by NDEA title III staff. Most coordinators indicated that the primary purpose of monitoring visits was to ascertain if equipment and materials were being used according to plans outlined in approved proposals and if financial records were adequate. However, many coordinators made special



efforts to assure that each visit enhanced the effectiveness of projects as well as provided evaluative information. They frequently referred to the valuable assistance given by other State supervisors and subject area consultants in this connection.

Several coordinators mentioned special reporting forms or monitoring instruments which had been developed for use by all State staff during visits. In some States, after making a visit, the supervisor sent a copy of the completed monitoring form to appropriate personnel of the local education agency and to the NDEA title III coordinator. One State reported that a review and evaluation report was prepared by the supervisor during the visit, after which a conference was held and the report signed by the appropriate local school official and by the visiting supervisor.

In a few States, the projects were visited and evaluated by an on-site team which prepared a written report. During monitoring visits, one State experimented with the use of the form developed for final project reporting. As a result, this form was revised to elicit more precise information about project objectives and accomplishments, and used subsequently by visiting supervisors and by local education agencies in submitting the final project evaluation report to the State. Another State reported that 135 pilot and special reading projects were closely monitored during the year by several members of the State department of education staff. In addition to the various reports submitted by the supervisors, a pre- and post-evaluation instrument was administered to all project participants. An analysis of these reports and of test data formed the basis for evaluation.

State coordinators and subject supervisors shared in other activities which were designed to improve local projects. Practically all coordinators referred to the conduct of, or arrangements for, inservice workshops which dealt specifically with methods to strengthen instruction in the several academic fields. References were made frequently to the fact that supervisors prepared and disseminated bibliographies, lists of newer instructional materials, and research-oriented information which related to each of the subject areas.

Project Reporting

Practically all States require a report of all projects to be submitted at the termination of the school year. Many States have developed a special reporting form, some of which are patterned after the report form prepared by the U.S. Office of Education for use by each State in submitting the annual narrative report. However, a few States have developed a more sophisticated form which elicits precise information pertaining to such project components as objectives, program activities, strategies employed to use equipment and materials more effectively, coordination with other State and Federal programs, and data which documents the extent to which each performance objective was accomplished.

Since evaluation of the effectiveness of projects is made primarily by the administrative and supervisory personnel of the local school district, States are encouraging local school districts to submit more precisely

written evaluation reports. Nevertheless, some State coordinators assemble evaluation data continuously throughout the year as a result of monitoring visits. Drawing upon interim monitoring reports and the final evaluation reports, State coordinators prepare and submit reports of selected exemplary projects to the Office of Education as a part of the annual narrative report. During the past year, Office of Education staff assembled selected reports of these exemplary projects and distributed a composite report to all State coordinators at the regional conferences held in 1971.

Several State coordinators reported that publications of exemplary projects were disseminated to State and local school personnel. Other States developed slide tape cassettes of exemplary projects which were used extensively. One State prepared an attractive pictorial brochure which depicted program contributions. The brochure was distributed widely to the educational community of the State, to all members of the U.S. Congressional delegation representing the State, and to other appropriate U.S. Senators and Representatives.

4. EVIDENCE OF ACRIEVEMENT

The nature of the program and its level of funding makes it virtually impossible to measure, with any validity, the impact of the program using student performance data. While many States urge such output measures in individual projects, none has attempted to measure impact statewids in this manner. As indicated earlier, States set objectives and reported results for the acquisition portion of the program in terms of the degree

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of attainment of quantity standards or modification of instructional techniques. The supervisory and related services portion of the program was evaluated in terms of the extent of contacts with local schools through inservice meetings and publications.

At least two States have recently developed statewide automated inventories of instructional equipment. This has enabled them to set objectives in terms of degree of attainment of quantity standards. One of these States has set dates in 1973 and 1974 and was able at this time to report only that substantial progress was being made in meeting State standards. The other State has ostablished standards on a subject area by subject area basis. Half or less of the schools were able to meet these standards.

Lacking a reliable data base, many States reported in terms of the adequacy of instructional equipment and materials based on sampling, case studies, or the judgment of supervisors who spend a substantial amount of time in direct contact with schools. In all cases there is general agreement that there is a substantial gap between adequate and existing quantities of instructional equipment and materials. There is also general agreement that improvement is not likely due to the current financial conditions of most school systems.

Most of the objectives related to the modification of instruction were evaluated in terms of increased frequency of student use of laboratory type activities. Mony State departments of education cited instances of team teaching, differentiated staffing, and individually prescribed learning activities made possible by equipment and materials obtained



through NDEA title III. Several reports included cases of enrichment activities, summer programs, and parent-community programs being enhanced through additional equipment and materials.

As was also indicated earlier, many of the objectives listed were really management objectives. In most cases the evaluation was made by giving an estimate of the percent of the activities performed, services provided, or degree of participation by local districts. Many examples of increased emphasis on evaluation in local applications, increased evidence of need, and greater assurance of teacher participation in selection of equipment and materials were offered as evidence of achievement of generally stated objectives for improvement of the program. A few reported survey-type feedback to support claims of attainment of objectives. At least two State reports contained rather sophisticated and impressive analyses of such survey data.

A substantial number of State departments of education reported significant improvements in management of the program due to earlier receipt of funds for fiscal year 1971 than in the two preceding years. In all cases they indicated that even earlier knowledge of the level of funding would permit even better management performance.

5. EXEMPLARY PROJECTS

As a part of its annual report, each State described three or more projects from local education agencies as good examples of efforts made to improve instruction through equipment and materials. Only a small sample of these projects could be used for the Office of Education report. As a result,

many projects deserving wider dissemination could not be included. Criteria applied in the selection were: (1) representation from States in all regions of the United States, (2) representation of several subjects, (3) evidence of comprehensive and innovative planning (e.g., interdisciplinary approach, multimedia application, interprogram coordination), (4) some indicarion of anticipated results, and (5) detail and clarity of description.

Elementary School Science

Guthrie, Oklahoma, Public Schools developed a project in elementary science to help students become better acquainted with the world around them. The areas included were conservation of land, water, and wild life.

The course was planned to impress upon young people the importance of the wise use of natural resources which are needed for the necessities, comfort, convenience, and protection of life.

Through the use of NDEA title III funds, schools were able to secure films, filmstrips, slides, and other materials to encourage the conservation of natural resources, while showing how these resources would be destroyed if methods of conservation were disregarded. Too, many outdoor experiences were made available in the course of which pupils were given assignments in each phase of conservation presented and reports required on what had been observed.

It is not easy to measure all of the benefits that have been derived from this approach to the study of science, but staff members are convinced

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that the equipment and the materials provided through NDEA title III have made the course much more meaningful to the pupils who participated in it.

The Manistique, Michigan, school system has a fleet of 13 school buses, among which is a 69 passenger multipurpose audio-bus. The only one of its kind in the State, the multipurpose audio-bus was funded through NDEA title III. Installed in the rear of the bus is a console which contains six Sony cassette tape machines and a master control panel. This system provides simultaneously six science programs to each of the 69 student stations in the bus.

Schoolcraft County, in which the bus operates, encompasses an area of 1,229 square miles. Consequently, school bus routes are necessarily long and pupils must travel great distances to school. Children from the village of Germaskf located 10 miles away are transported to school in Manistique. It was for these children that the audio-bus was designed; to decrease boredom, and dropouts, to enhance the school concept, and to add a new educational experience to the school curriculum.

The bus is further used to transport 40 high school students to and from Bay de Hoc Community College in Escanaba for vocational education classes in welding and electricity. It is also brought into service for field trips and other out-of-town extracurricular activities.

From the audio-bus idea evolved an extension of the basic concept. The taped information was extended into an audiovisual learning center so

that many students beyond those served by the bus could profit through use of the material. To that end, the tape console was made portable and moved into the school building where it served as an input source to 31 student carrels. This also included the addition of a synchronized carrousel slide projector and cassette tape recorder to form an instructional system for use in the learning centers.

Secondar, School Science

Twenty-four school districts in Pennsylvania participated in a project known as Pennsylvania Nuclear Science Pilot Schools. With the aid of a Beta-Gamma survey meter, radioactive warning tape and signs, a spinthariscope, a continuous diffusion cloud chamber, and a variety of additional laboratory equipment provided by NDEA title III, "Nuclear Science: A High School Course" was launched. The course syllabus and alternate test forms were constructed utilizing behavioral objectives. An achievement test will be administered on a pretest-posttest basis to students and to a statistically equivalent control group.

In order to determine any changes in student understanding of the nature and process of science, plans include utilization of
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Union High School, in the Township of Union, New Jersey, designed a project called "Environmental Education: A Total Ecological Laboratory

Approach." The purpose of this program was to establish at Union High School a total outdoor laboratory for ecology, plus related science learning and environmental study. Objectives included total awareness of the cycle of nature, dependence upon plant life, and the controls that may be exerted to preserve and improve upon conditions.

Union High School had an inner court .deally situated to provide space for the development of a protected outdoor laboratory. Activities included layout of the laboratory, acquisition of chosen plants, and placement of these in the most advantageous locations for healthy growth and aesthetic quality. All of the resources of the Vocational Education Department were correlated with the Biological Sciences Department to execute the best final product. Course offerings in the sciences were keyed to making full use of this laboratory, and the Social Studies Department, by employing the appropriate components, emphasized environmental strategies for the renewal of the biosphere.

The outdoor laboratory which covered some 18,750 square feet of inner court area was designed to represent North, South, and Central New Jersey. The topography, soil composition, rock formations, and plant and tree growth reflect what is natural to each of these sections of the State.

The first section representing Southern New Jersey, was planted with native southern specimens in their natural soil and surroundings; the second area, representing Central New Jersey, shows shade trees, shrubs and flowers, native to the central part of the State, and planted in soil found there. This section also contains a small pool where the

study of water plants can be made. The third section, which represents Northern New Jersey, contains trees, flowers, ferns, and bulbs in their natural origin.

The total ecology laboratory with all plants clearly marked and keyed to curriculum guides made possible study units covering every grade and numerous subject areas. Rock formation, insect life, tree study, weed investigation and all of the more sophisticated historical concentrations were exploited. Chemistry, Earth Science, Elementary Science, Agriculture, and Pollution Control Education have made use of the resources.

Landscape architecture and the aesthetic components of environment have been stressed in vocational education programs, and social studies focused on urban problems and solutions.

In Morgantown High School, West Virginia, a new course offering has been instituted entitled "American Minorities." One of the unique features of the course is the prerequisite of basic study in behavioral science, the rationale here being an attempt to establish some understanding of how people behave under certain given conditions, and why.

The minority course is not designed to simply list past and present contributions of groups usually placed in the minority category. Rather, "minority groups" are redefined to include women (54.3 percent of the population), the aged, the Appalachian, the American Indian, the Mexican-American, the Negro, the Puerto Rican, and the Jewish community.

The behavioral science unit of the course is very limited because of the time available. As a result, the objectives are restricted to a broad overview of some of the better known psychological theories. Students are expected to become aware of the basic premise of each of these theories and to make some judgment as to the impact they could have on the education process.

These judgments are based on readings, discussions, and experiments based on each theory. The students act not only as collectors of information, but also perform experiments to justify in their own minds the accuracy of the theories expounded.

An example of such an activity is an attempt to change the behavior of an unsuspecting teacher using nonverbal reinforcement. By offering or withholding attention at appropriate times, the teacher is "trained" to stand in a particular portion of the classroom while teaching. The design of teaching machines as they relate to educational theories is also considered to the extent that time will allow.

The introduction to behavioral science is intended to throw light on the actions of others and help students examine their own actions and feelings. It helps to explain the way they see themselves and how others may see them, and perhaps explain why they do some of the things they do. Although a basic text is used as a catalyst, it is only a small part of the hardware and software involved. Extensive use is made of the nearby university library collection of film, filmstrips, paperbacks, and pamphlets.



Upon completion of the unit in behavioral science, the class begins its study of the minority groups themselves. In keeping with the curriculum being developed, the historical contributions of a minority group are less important than the current situation. It is at this point that behavioral science becomes a tool. How would an individual in some particular minority group see himself and how would he feel others see him? Much of what takes place in the classroom on this subject is speculative but provides food for thought, not to mention the discussion it initiates.

The specific instructional objectives for the class are still being developed, causing the curriculum to be rather unstructured at the instructional level. This situation is being rectified rapidly. The classroom is also loosely structured, as intended. Discussion is the rule rather than the exception. A great deal of interest has been generated, and the course could well become a model for all of West Virginia.

Freemont Union High School District, California, organized a project entitled "Individualized Instruction in Science" for the participation of 3,500 pupils at grade levels nine through twelve.

Established as objectives of the individualized science instruction were development of the following participant abilities: (1) to plan and schedule learning experiences when given a variety of choices,

(2) to measure such phenomena as length, mass, electrical charge, halflife of radioisotopes, and planetary distances within the solar system,



(3) to recognize the worth of scientific knowledge in solving current problems, (4) to recognize apparatus and explain theories of operation, and (5) to recognize the impact of science on environment. The project goal was to provide a program of relevance, individualization, and experience which would counteract decreasing enrollments in electricity courses.

Evaluation of individualized instruction was based on a firmly structured plan:

- Given required activities and optional activities for a unit of study, all students would schedule activities individually,
 weeks in advance;
- 2. Given unknowns in several types of scientific phenomena, students would be able to choose proper measuring devices and would be able to use the devices to determine to an accuracy of three significant figures the measurements of at least 8 out of 10 unknowns;
- 3. Given a list of 10 current problems facing modern man, students would be able to choose from the list those which are closely related to science and those for which science has no close connection, the relationships to be judged by science teachers;
- 4. Given several problems from outside sources and outside the school, students would be able to write a description of how scientific problem-solving techniques can be used to deal with these problems;



- 5. Given equipment which has been used in the laboratory, students would be able to write a description, in general terms, of theory of operation and limitations of at least 8 out of 10 pieces of apparatus;
- 6. Given a list of environmental problems, students would be able to write a description of how science has contributed to these problems and how science could alleviate these problems. Finally, the planning committee expected that records kept on student enrollment in elective science courses would show a significant increase.

Project outcomes demonstrated that students were able, after only a short introduction, to schedule activities 2 weeks in advance. They were able to choose proper measuring devices but did not gain enough familiarity with equipment to measure all unknowns to three significant figures. Except for political and religious activities of man, students were able to recognize close relationships of science to most current problems. They were also able to relate scientific techniques to solutions of problems such as population, shortage of energy, need for fresh wat r, and various types of pollution. Students were not, however, successful in understanding the theory of operation of more than 5 out of 10 pieces of scientific apparatus.

Enrollment in elective science courses has increased 100 percent from 12 to 24 sections. Currently being offered are chemistry, physics, geology-botany, bio-ecology, biology, oceanology, and physiology; only chemistry has shown a decrease in enrollment.

The conclusions drawn from the project outcomes reveal that a set of well-defined performance objectives can graphically show the feasibility of installation of a new approach to curriculum improvement and stimulation in a short period of time. The continual process-and-product evaluation of this project will be used as a pattern for other pilot projects in this district.

Science and Industrial Arts

The Hammond, Indiana, project combined several sub projects in science, minor remodeling, and industrial arts.

The major portion of the program was directed toward revising the total sciences curriculum of the school system after reorganization of the system into three levels: elementary (grades K-5), middle school (grades 6-8) and high school (grades 9-12). Science education specialists from Purdue and Indiana University helped to devise a new science program for grade and ability levels according to a sequence of science ideas. Resource material, texts, and apparatus were designed to fit the three educational levels.

Elementary school science is based upon the Resource Center as the site for activities in science. It provides facilities for use and storage of science materials not found in the conventional classroom. Middle-school science is based on the Resource Center for grade six, and departmental laboratories for grades seven and eight. Sequence of science principles is a continuation from kindergarten through grade eight. High



school science programs have been enriched in content and scope, and a 4-year program has been made available.

One of the subprojects provided equipment and materials for the new science program in grades K-12; another was minor remodeling of the science laboratories in the Donald E. Gavit Junior-Senior High School, George Rogers Clark School, and Hammond High School. In addition to the above, another subproject provided for equipment for an industrial arts shop in the newly completed Scott Middle School, where manufacturing arts, service arts, crafts, and communicative arts are taught.

Mathematics and Science

The acquisition of a time-sharing computer system through an NDEA title

III project by Phoenix, Arizona, Union High School made the capability of

computer extended learning a reality in the district, placing Phoenix

Union among the leaders of innovative programs across the country.

Previously, a few schools in Arizona have rented terminals and time from private corporations, but such applications have been limited. Other districts have been involved in a quasi-instructional use of computers, but the projects often involved testing and record keeping rather than direct applications to student learning. The Phoenix project is unique in that students have direct access to the district-owned computer via remote terminals during the school day to extend learning in mathematical and scientific concepts. Computer extended learning as applied in the program refers to learning that occurs as a result of students using a computer to program and solve problems related to particular disciplines.



Students are the programmers. They analyze the problem, organize it into a sequence of mathematical statements, and write a program. Problems are programmed from algebra, geometry, introductory analysis, calculus, probability and statistics, biology, chemistry, and physics. Students prepare programs to store on paper tape or on the computer systems' magnetic drum. In chemistry, for example, when a student develops a program on molarity, he determines the molarity of a substance, calls for his program, inserts data, and gets immediate results. He is thus freed from time-consuming calculations and learns more mathematical concepts by programming than by performing the calculations manually.

Is the concept of computer extended learning successful? A formal evaluation has not been completed, since the project is in an embryonic stage. The enthusiasm of students, teachers, and members of the community appears to indicate success.

English

NDEA title III funds were employed in the Colonial School District in Pennsylvania to provide the equipment and training support for a mass media course producing TV programs as a classroom activity in Fnglish. Additional objectives included reinforcement of other English class activities; i.e., the study of black literature, the classics, and current literature; utilization of prepared instructional programs acquired through the Pennsylvania Department of Education, National Educational Television, commercial and educational stations in the Philadelphia area, and interdistrict exchanges of taped materials. Elective programming



will develop program series on dialects, semantics, history of the English language, dramatics, and forensics. English teachers prepared to use the necessary equipment as follows:

. Of 34 teachers, 38 percent have completed course work in ETV, 71 percent participated in workshop activities in ETV, and 62 percent completed audiovisual courses.

A project undertaken by the New Castle County Vocational-Technical School, Delaware, represents an unusual approach to English instruction. In many cases, vocational school programs operate under the premise that this school may be the end of the student's formal training. Often such programs are hampered by the lack of audiovisual equipment. Too, the student may not be afforded experience in the area of cultural enrichment -- plays, speeches, films, debates -- which contribute to the improvement of a self-image, development of aesthetic values, and cultivation of an appreciation for humanistic qualities.

The New Castle Vocational-Technical English program serves students in the tenth, eleventh and twelth grades, irrespective of whether they plan upon graduation to go directly into a technical field or on to higher education.

Among the objectives of the program, in terms of performance, are the following demonstrations of student competence:

- 1. to write a paragraph comparing two items.
- 2. to write a paragraph contrasting two items.
- 3. to write a news story.



- 4. to write a feature story.
- to write letters of application, of complaint, of sympathy, of friendship.

The Joaquin Elementary School District of Provo, Utah, constructed a media literacy project, combining NDEA title III and ESEA title II funds. The underlying concept was development of ability to utilize media to increase competence in communication.

Procedures provided an opportunity in a language arts setting for pupils to utilize nonverbal materials and techniques to help them in communicating ideas more effectively. Cameras (slide and motion picture), serters, previewers, visual makers, cassette recorders and players, opaque and slide projectors, and other items were used in preparation and presentation of story topics.

Program objectives were improvement of ability to:

- 1. organize visual materials to tell a story
- 2. identify critical elements in a picture
- 3. identify common elements in visuals form, colors, design
- 4. show discrimination in selecting visuals which tell a story
- 5. blend visual and verbal symbols in communication
- 6. create visual symbols for use in communication
- 7. upgrade self-image through total literacy in completing an all-encompassing creative project.

The requirement of skills in seeing, speaking, listening, and writing are all stressed in the teaching procedures, with a view to developing in the individual pupil a strong basis for logical and organized thinking.

Art, English, Industrial Arts

In Palmer High School, Massachusetts, an interdisciplinary project in art, English, and industrial arts has been underway. The objective has been to attempt to institute an educationally sound approach to an understanding of the methods of mass communication through knowledge of the processes, the possibilities, and the limitations of the media.

The project has explored visual communications, graphic arts, layout design, still photography, communications and media studies, cinematography, and offset printing.

It has attempted to raise the student's concern for higher public standards of taste, creativity, and knowledge. It has shown the interrelation of the arts, relating them to the life of the community. Hopefully, it has motivated many students, challenged the gifted, and widened the interests of the average student.

Modern Foreign Languages

The Mood Junior High School in Derry, New Hampshire, has constructed a new addition to alleviate crowded conditions. The need for double sessions was eliminated so that last year some 800 sixth through eighth grade pupils were enrolled.



The focus of the project being on modern foreign languages, having in view the hiring of an additional teacher, it was decided to have one large facility, containing a language laboratory and regular classroom with a total of 60 chairs, desks, or tables -- thus providing for a regular and a laboratory class.

Since both the administration and the French specialist wished to be innovative in the area of foreign language instruction and look to the development of an individualized program, they purchased the PIH Electronics Wireless Learning System, consisting of a monitor control device in the console and 30 positions.

This equipment is employed to reinforce classroom dialogues and exercises, and to provide additional cultural enrichment activities. The addition of a new staff member permits offering French to a greater number of students with team-teaching and a pacing component in the program.

It is one of the outstanding departments in the school and one of the outstanding junior high programs in the State.

Social Studies

Tahaxto, Massachusetts, Regional District put together an interdisciplinary project in the area of social studies to introduce students to the school as a microcosm of society. By means of the program, students have made video tapes of all aspects and activities of social importance. Following this, by applying critical analytical skills to school and town documents, the school itself was analyzed as an institution of government, and the

methods and processes through which students, as individuals, interact with their institutions were reviewed. A final evaluation of the outcome of the project will be made by students, teachers, and university personnel, and the results used to modify and revise future classes in government.

Industrial Arts

A project developed in industrial arts education at the Parkway Junior High School in Jackson, Tennessee, was a departure from the traditional drafting-woodworking program found in many junior high schools. The State Supervisor of Instruction assisted in the planning and held consultations with the architect for the design of the facility. State education agency staff and consultants worked together to structure the educational specifications; instructional materials and equipment were provided by means of a NDEA title III grant.

Through this exemplary program, students in grades 7-9 were provided with exploratory experiences in electricity-electronics, graphic arts, drafting, metals, plastics, power machanics, and wood. The shop-laboratory layout and equipment helped students develop insight and understanding of the place of industry in our culture, discover and develop talent in technical fields, acquire technical problem-solving skills, and gain a degree of skill in the use of common tools and machines. A team of two teachers conduct the program; all children attending the school will at some time become involved. Inservice programs held in August assure the employment of current teaching methods and techniques in this well-equipped facility.



The State Supervisor of Instruction in Industrial Arts assumed responsibility for the dual function of monitoring the program and following inservice activity.

6. MATCHING PATTERNS

The majority of the States reported that local school districts were reimbursed at 50 percent of their allocation. Fourteen States reported some type of variable matching, ranging from a State which reimbursed 99 percent of all projects at less than 50 percent to another State where well over two-thirds of all projects were reimbursed at more than 50 percent.

One State reported that all local school districts were reimbursed at less than 50 percent. Another State reimbursed 99 percent of all projects at less than 50 percent, while four others reimbursed a majority of projects at less than 50 percent. Nearly all States reported that a substantial amount of additional funds was needed to fund all approvable projects submitted.

7. ANTICIPATED NEEDS FOR EQUIPMENT AND MATERIALS

Assessment of Needs

Few States reported dependence on standards developed for school media by educational organizations. More educational agencies appeared to be developing their own standards for NDEA title III equipment and materials, as well as all media, often as part of the requirements for school accreditation. With a practical approach, many of them established phases or

levels of progress. A marked change was the increased number of agencies which related their NDEA title III guidelines and standards to statewide assessments of need.

In one State, however, accrediting regulations for science were so vague that almost no school could fail to meet accreditation standards because of inadequacy of science materials and equipment. Most of the local school administrators were aware of the pitfalls of this situation and depended upon their own science supervisors or the State consultants to assess realistic needs for science instruction. At least one State consultant was able to influence curriculum selection by convincing superintendents that their teachers should be permitted to visit other school systems where model science programs were underway. His technique was adopted by other consultants, with varying success.

The most common method of assessment was on-site visits, reinforced in some cases by evaluation reports and surveys. Project applications increasingly become the vehicle for analysis of projects leading to assessment of needs. One State using this method reported:

The anticipated statewide needs for specific types of equipment and materials considered essential in improving education in the academic subjects can be obtained from an analysis of projects submitted, emerging instructional strategies, and the impetus and guidance provided by the State Department of Education.

Trends Influencing Needs for Equipment and Materials

State education agencies showed awareness of the increasingly complex role of education. One stated:

Advances in technology, demands for social reform, explorations in space and oceanography, and the need for continuous emphasis upon moral and spiritual values require frequent evaluation of curricula offerings and of the equipment and materials designed to assist in the learning processes. As knowledge increases in the various subject areas, new methods and techniques of instruction are developed, making new and additional equipment and materials essential.

Analysis of project applications in another State supports the premise that more schools are becoming learner-centered, emphasizing individualized instruction based on the unique learning modality of each child. An increasing number of schools are becoming involved in such emerging instructional strategies as the open school, the British Primary School, schools without walls, and open access curriculum. Consequently, it becomes apparent that the effective implementation of these strategies and the concern for the individual learner precipitates a need for tremendous diversity of resources. Appropriate multilevel and multisensory resources are needed in sufficient quantities to enhance the learner's academic success. Indications are that resources should be of a manipulative nature and readily accessible and usable by individuals.



The wide variety of types of equipment and kinds of materials requested during fiscal year 1970-71 substantiates this statement. No single type of equipment and/or material can be identified as best suited to serve the multiplicity of learning/teaching approaches. Individual projects are designed to resolve particular learner needs, requiring distinctive resources. What is universal is the criteria of diversity, quantity, and quality.

Individualized and small-group instruction, the investigation/laboratory method, innovations and flexibility in organization and instruction, programmed learning, independent study, and the interdisciplinary approach—all required support from ever-growing and changing multimedia. Requirements of materials and equipment were also changed by expanded programs, such as extension of modern foreign ranguage instruction to elementary schools, and by new programs, such as the nationally recognized, laboratory—oriented curriculums in science.

In addition, rapid obsolescence of both equipment and materials, construction of new schools, and increased enrollments multiplied the needs. In some States at least 50 percent of the materials used in their classes in history, geography, economics, and civics were obsolete. A considerable number of schools were still trying to fulfill the basic requirements for modernizing instruction and for bringing courses up to accreditation standards, especially at elementary, middle, and junior high school levels.

A large number of districts found that achieving racial balance meant reorganization which changed the purposes of countless buildings. For example, high schools equipped for secondary level instruction were turned into elementary or intermediate schools, and likewise, elementary schools became high schools. Such reorganizations caused a "great shift of equipment from school to school" as well as an immediate need for new equipment.

Although the largest proportion of NDEA title III funds was still being expended on science, and the next largest, on reading, both subject areas still had never-ending requirements. The subject areas added more recently through Federal legislation were even poorer in resources for learning. Many schools had some projectors, films, maps, globes, and supplementary materials for various courses, but shortages of audio-visual equipment and materials were still reported to be serious. Lacking in many school districts were sufficient quantities or kinds of reference materials for teachers, production facilities for instructional materials, videotape recorders and cameras, education television, manipulative and motivational materials for various courses, computers and dial-access retrieval systems, "dry" and "wet" carrels for independent study, electronic equipment, writing and listening booths, and linguistic materials for English, reading, and foreign language study.

To provide each child with opportunities in the arts, which had long been neglected, appeared to be impossible with the limitation of funds. Still

lacking in many schools were relatively inexpensive items such as brushes, tools, molds, easels, drawing boards, and more costly items such as potter's wheels, kilns, looms, and photographic and film production equipment. Schools were struggling to obtain equipment for listening centers for music, as well as pianos, and other instruments for bands and orchestras.

Industrial arts, among the most costly of all programs, was also recently added to the NDEA title III program. Too many schools, as many as 50 percent of the junior and senior high schools in some States, were still unable to offer courses providing instruction in such areas as electronics, communications, graphic arts, construction, manufacturing, power mechanics, and transportation. Industrial arts was rarely offered in elementary schools.

Priorities established by State and local educational agencies to improve educational opportunities increased the need for larger quantities and varied kinds of media. Priorities included crash programs in reading and mathematics, early childhood education, ecology, career education, vocational rehabilitation, and drug-abuse programs. Other priorities were the special needs of such groups as the gifted, underachievers, the handicapped, the educationally and emotionally deprived, and children of ethnic groups.

Limitation and late funding of NDEA title III funds, as well as lack of matching funds in poor districts, often helped to increase the difficulties



of meeting instructional objectives related to technology and modern methods of teaching. Inflationary costs of equipment increased the amounts of funds required. Added to this was the expanding need for expensive types of equipment, such as computers and dial-access retrieval systems, television systems, and planetariums, as well as up-to-date equipment and materials for science, industrial arts, the arts, and the social studies.

One State reported that at least \$10 million would be necessary to provide instruction in industrial arts throughout the State. Another stated that its entire allotment could be well spent in one large district alone. Some schools attacked the problem of cost by emphasizing library-media centers or integrated media systems, making full use of available equipment and materials. Many found, however, that "it is doubtful that in acquisition and planning objectives one can state that the objectives are met, since by the time one plateau is reached, new equipment, materials, technology, changing curriculum development, and new instructional approaches move the desired level farther ahead. For example, earlier standards which suggested equipment and materials for large group demonstration and group participation in the discovery process will not meet the needs of today's individualized approach."

8. ADMINISTRATION OF NDEA TITLE III

Expenditures for Administration

The Federal allotment for administration of the NDEA title III program amounted in fiscal year 1971 to \$2 million. Of this amount, \$1.4 million



(73.6 percent of the alletment) was expended by State departments of education for administration and supervisory and related services, with \$527,584 carried over for expenditure in fiscal year 1972 (table 1). Federal expenditures were more than matched by State department of education expenditures of \$2.7 million, providing a total of about \$4.2 million for program administration. Administrative funds are used for such items as salaries of professional and clerical staff assigned to the program, for workshops and conferences dealing with instruction in the academic subjects, staff travel, office equipment, and other equipment used for State programs of supervision in the academic subjects.

Expenditures for Equipment and Materials

Federal, State, and local total expenditures in fiscal year 1971 under the NDEA title III program for equipment, materials, and minor remodeling used to strengthen instruction in the academic subjects amounted to \$88.9 million (table 2). Of this amount, \$87.7 million went for equipment and materials, with 1.3 percent used for minor remodeling. Equipment purchased included audiovisual equipment such as projectors, recording equipment, and television receivers and recorders, and laboratory and other equipment such as microscopes, planetariums, biological slides and models, tachistoscopes, individual reading pacers, and laboratory apparatus for physical construction of mathematical models. Materials purchased were such items as 8 and 16mm films, filmstrips, tape and disc recordings, books, maps, globes, charts, instructional games, and pamphlets and periodicals.



The Federal allotment for equipment, materials, and minor remodeling in fiscal year 1971 was \$47,500,000 (table 3). A total of \$40 million (84.2 percent of the allotment) was reported expended, with \$7.4 million carried over for expenditure in fiscal year 1972. State and local funds used for the same purposes to match Federal expenditures amounted to \$48.2 million. In addition, six States -- Georgia, Maryland, North Carolina, Ohio, South Carolina, and Tennessee -- used \$632,477 from the Appalachian Regional Development Act to match NDEA title III funds.

Among the subject areas, expenditures for equipment and materials for use in natural science programs ranked first; however, the amounts expended for equipment and materials used in English and reading instruction ranked only slightly below science (table 4). Expenditures in the social sciences and industrial arts ranked third and fourth, respectively, with expenditures in the areas of arts and humanities and modern foreign languages ranking lowest.

9. LOANS TO PRIVATE NONPROFIT ELEMENTARY AND SECONDARY SCHOOLS

Loans to private nonprofit schools under NDEA III are administered directly by the U.S. Office of Education.

During fiscal year 1971, five loans were approved for elementary and secondary schools in three States, the District of Columbia, and Puerto Rico. Approximately 1,700 elementary and secondary students benefited from these loans. The total amount approved was \$78,260. The distribution is shown in the following table:

| State | City | School School | Amount | |
|----------------------|-------------|------------------------|----------|--|
| Colorado | Denver | Beth Jacob High School | \$ 6,360 | |
| District of Columbia | Washington | Georgetown Day School | 6,900 | |
| Maine | Vassalboro | Oak Grove School | 24,300 | |
| New York | Westport | Lewis-Wadhams School | 13,700 | |
| Puerto Rico | Rio Piedras | Colegio Vendruna | 27,000 | |

Loans were for the acquisition of equipment and instructional materials and for minor remodeling in such areas as science, mathematics, modern foreign languages, history, civics, geography, and economics. Loans were used to facilitate instruction in the following subjects:

| Subject | Amount | Percentage of Total |
|---|-------------------|---------------------|
| Science | \$34,175 | 44 |
| Mathematics | 1,019 | 1 |
| Modern Foreign Languages | 27,000 | 34 |
| History, Civics, Geography, & Economics | 2,939 | 4 |
| English | 998 | 1 |
| Reading | 127 | 1 |
| Industrial Arts | 3,755 \$70,013 | <u>5</u> 90 |

In addition to the \$70,013 used for equipment, materials, and minor remodeling in the subject fields, \$8,247 (10 percent of total loans) was approved for

audiovisual libraries. Of this amount, over \$17,000 was used for science and mathematics equipment and materials. The balance of the funds was used to purchase audiovisual equipment and materials.

Table 1. Federal and State funds expended for NDEA title 11) State administration: Fiscal y

| State or | Federal allotment | | EXPENDITURES | | Federal amount as | Federal amount as | Federal amount |
|-------------------------|-----------------------------|------------------------------|------------------|---------------------------|-------------------------|----------------------|--------------------|
| other area | for State administration | Federal | State | lotal | percent of allotment | percent of total | carried over |
| <u>(1)</u> | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| | 52,000,000 | 51,472,410 | \$2,777,140 | No. 24 1, 156 | 73.62 | 34.64 | \$527 . 584 |
| | 34,103 | 34,103 | 49,036 | 83,139 | 100,0 | 41.01 | -()- |
| LASKA | 13,333 | 5,154 | 11,688 | 16,842 | 38.65 | 30,60 | 8,179 |
| RIZONA | 16,785 | 1,962 | 1,962 | 3,924 | 11.68 | 50.0 | 14,823 |
| RKARSAS | 18,278 | 17,559 | 17,559 | 35,118 | 96,06 | 50,0 | 719 |
| ALIFORNIA | 175,210 | 127,928 | 127,927 | 255,855 | 73.01 | 50.0 | 47,282 |
| OLORADO | 19,914 | 16,159 | 16,159 | 32,318 | 81,14 | 50.0 | 3.75 |
| ONNECTICUT | 26,600 | 26,600 | 34,633 | 61,233 | 100,0 | 43,44 | -0- |
| DELAWARE | 13,333 | 7,200 | 16,417 | 23,617 227,272 | 54.00 55.14 | 30.48 | 6,133 24,722 |
| FLORIDA Georgia | 55,120 44,096 | 30,398 20,187 | 20,187 | 40,374 | 45.77 | 50.0 | 23,909 |
| | | | 167.000 | 100 / 25 | 100.0 | 7 20 | |
| MAWAII | 13,333 | 13,333 — 5,603 | 167,092 5,603 | 180,425 11,206 | 100.0 | 7.38 | 7,730 |
| ILLIMOIS | 13.333 100,958 | 33,685 | 482,051 | 515,736 | 33.36 | 6,53 | 67,273 |
| INDIANA | 48,292 | 44,146 | 44,146 | 88,292 | 91.41 | 50.0 | 4,140 |
| IOMY | 25,924 | 25,924 | 55,471 | 81,395 | 100,0 | 31.84 | -0- |
| EANSAS | 21,550 | 21,545 | 22,984 | 44,529 | 99.97 | 48,38 | |
| RENTUCKY | 30,014 | 30,014 | 60,092 | 90,106 | 100.0 | 33.30 | -0- |
| LOUISIANA | 37,908 | 34,588 | 34,854 | 69,442 | 91.24 | 49.80 | 3,32 |
| MAINE | 13,333 | 1,239 | 1,239 | 2,478 | 9,29 | 50,00 | 12,09 |
| MARYLANO | 35,312 | 19,836 | 21,037 | 40,873 | 56.17 | 48.53 | 15,470 |
| MASSACHUSETTS | 48,043 | 43,519 | 43,520 | 87,039 | 90.58 | 49.99 | 4,52 |
| MICHIGAN | 85,916 | 75,977 | 220,771 | 296,748 | 88.43 | 25.60 | 9,93° 27,85 |
| HIBMESOTA | 36,308 24,110 | 8,449 23,356 | 17,832 23,355 | 26,281 46,711 | 23.27 96.87 | 50,00 | 75 |
| HISSISSIPPI HISSOURI | 41,500 | 35,889 | 35,890 | 71,779 | 86,47 | 49,99 | 5,61 |
| HONTANA | 13,333 | 12,966 | 32,992 | 45,958 | 97.24 | 28.21 | 36 |
| HEBRASKA | 13,691 | 9,267 | 10,370 | 19,637 | 67.86 | 47, 19 | 4,42 |
| 4EVADA | 13,333 | 7,062 | 7,297 | 14,359 | 52.96 | 49,18 | 6,27 |
| NEW HAMPSHIRE | 13,333 | 13,333 | 30,445 | 43,778 | 100.0 | 30.45 | -0- |
| NEW JERSEY | 62,196 | 62,196 | 186,146 | 248,342 | 100.0 | 25.04 | -0- |
| NEW MEXICO | 13, 333 | 13,333 | 13, 133 | 26,666 | 100.0 | 50,0 | -0- |
| NEW YORK | 154,869 | 107,706 | 145,082 | 252,788 | 69.54 | 42.60 | 47,16 |
| BORTH CAROLINA | 48,470 13,333 | 24, 377 13,333 | 13,786 | 78,754 27,119 | 50.29 | 40.0 | 24,09 |
| MORTH DAKOTA | 101,420 | 38,522 | 41,633 | 80,125 | 37.98 | 48.07 | 62,89 |
| | 20.574 | | 22 805 | 46 351 | 100.0 | 48.64 | -0- |
| OKLAHOMA OREGON | 22,546 | 22,546 7,887 | 23,805 8,898 | 16,785 | 43,40 | 48.64 | 10,28 |
| PENNSYLVANIA | 103,199 | 103,199 | 103,199 | 206, 198 | 100.0 | 50.0 | -0- |
| RHODE ISLAND | 13,333 | 5,711 | 5,711 | 11,422 | 42.83 | 50.0 | 7,62 |
| SOUTH CAROLINA | 26,671 | 22,072 | 57,179 | 79,251 | 82.75 | 27.85 | 4,59 |
| SOUTH DAKOTA | 13,333 | 99 | 99 | 198 | 0.74 | 50.0 | 13,23 |
| TENNESSEE | 36,095 | 36,095 | 38,936 | 75,031 | 100,0 | 48,10 | -0- |
| TEXAS | 107,680 | 64,876 13,333 | 13,333 | 129,858 26,666 | 100.0 | 49.95 | 42,80 |
| VERMONT | 13,333 | 13,333 | 13,333 | 26,666 | 100.0 | 50.0 | -0- |
| | | 42.762 | 70 120 | 120 001 | 00 42 | 35,37 | 1.0 |
| VIRGINIA WASHINGTON | 42,922 30,689 | 42,763 29,070 | 78,138 29,970 | 120,9 <u>01</u> 58,140 | 99.62 | 50.0 | 1,61 |
| WEST VIRGINIA | 16,429 | 16,429 | 16,429 | 32,858 | 100.0 | 50.0 | -0- |
| WISCONSIN | 40,682 | 39,134 | 39,134 | 78,268 | 96.19 | 50.0 | 1,54 |
| WYOMING | 13,333 | 1,126 | 909 | 2,035 | 8,44 | 55.33 | 12,20 |
| AMERICAN SAMOA | 4,000 | 4,000 | 4,000 | 8,000 | 100.0 | 50.0 | -0- |
| TRUST TERRITORY | 4,000 | 13,333 | 13,333 | 26,666 | 100.0 | 50.0 | -0- |
| GUAN | 4,000 | 4,000 | 4,000 | 8,000 | 100.0 | 50.0 | -0- |
| PUERTO RICO | 19,000 | 18,962 | 20,842 | 39,804 | 100.0 | 47.63 | 3 |
| AVINGIN ISLANDS | 4,000 | 4,000 | 4,000 | 8,000 | 100.0 | 50.0 | -0- |



Table 2. Federal and State-local expenditures for materials and equipment and minor remodeling under NDFA title III: Fiscal year 1971

| | Taring miner inter | A CICIO III: FIS | | <u>'</u> _ | | | | | |
|---|------------------------|------------------------|---------------|-------------------|--------------|-------------------|--|--|--|
| lace: | j | 1 | | | | | | | |
| State or | <u></u> } | P | metant * | | del 4 | | | | |
| other | Total | Equipment and | materials | Minor remo | oue:INS | | | | |
| area | expenditures | , , | | | - R | | | | |
| | j | Cost | Percent | Cost | Percent | | | | |
| /* 5 | ,n. 1 | /23 | //\\ | /65 | | | | _ | |
| (1) | (2) | (3) | (4) | (5) | (6) | | 1 | - | |
| - | 000 511 | 1 000 000 | - ۵۰ ا | 61 | ١ | | 1 | 1 | (|
| | \$88,911,611 | \$87,763,986 | 98.7 | \$1,147,625 | 1.3 | | + | + | |
| | | | <u> </u> | | · — | | 1 | 1 | 1 |
| ALABAMA | 2,287,998 | 2,287,998 | 100.0 | -0- | 0.0 | | + | + | |
| ALASKA | 155,002 | 155,002 | 100.0 | -0- | 0,0 | | + | + | — |
| ARI ZOHA | 1,014,798 | 989,612 | 97.5 | 25,186 | 2.5 | | + | + | |
| ARKANSAS | 1,231,051 | 1,231,051 | 100.0 | -0- | 0.0 | | + | + | + |
| CALIFORNIA | 7,486,044 | 7,439,560 | 99.4 | 46,484 | 0.6 | | + | + | + |
| | · · · · · · | | | | · | _ | 1 | 1 | |
| COLORADO | 1,141,057 | 1,136,642 | 99.6 | 4.415 | 0.4 | , | - | 1 | |
| CORRECTICUT | 937,238 | 937,238 | 100.0 | =0= | 0.0 | | + | + | |
| DELAVARE | 196,235 | 196,235 | 100.0 | =0= | 0.0 | | + | 1 | + |
| FLORIDA | 2,574,589 | 2,574,589 | 100.0 | -0- | 0.0 | | + | 1 | 1 |
| GEO RGI A | 1,942,937 | 1,942,937 | 100.0 | -0- | 0.0 | | | † | 1 |
| MANA 4 1 | 700.000 | 700 000 | 100.0 | -0- | 0.0 | | 1 | 1 | 1 |
| MAYA I I | 782,828 445,958 | 782,828 437,526 | | 8.432 | 1.9 | | † | | 1 |
| IDANO | 445,958 7,362,798 | 437,526 | 98.1 | 8,432 285,332 | 1.9 | <u> </u> | | | |
| ILLINOIS INDIANA | 7,362,798 2,435,666 | 7,077,466 2,416,181 | 96.1 | 285,332 19,485 | 3.9 | - | 1 | | |
| 180 IARA | 2,435,666 1,692,494 | 2,416,181 1,692,494 | 99.2 | 19,485 | 0.8 | • | | + | |
| IOVA | 1072,494 | -, 076, 474 | | | 1 | - | + | + | |
| PARMAN | 1,221,649 | 1,197,423 | 98.0 | 24,226 | 2.0 | | 1 | 1 | } |
| KANSAS KENTUCKY | 1,221,649 | 590,948 | 100.0 | 66 | 0.0 | <u> </u> | <u> </u> | 1 ' | 1 |
| KENTUCKY LOUISIANA | 107,222 | 107,222 | 100.0 | -0- | 0.0 | | <u> </u> | | Ι |
| HAIRE | 49,498 | 49,498 | 100.0 | -0- | 0.0 | <u> </u> | 1 | | I |
| MARYLAND | 1,231,026 | 1,231,026 | 100.0 | -0- | 0.0 | | | | |
| | -141,050 | | | 1 | T | | | | T |
| MASSACHUSETTS | 2,064,821 | 2,063,221 | 99.9 | 1,6 | 0.1 | , | | - - | |
| MICH IGAN | 5,386,053 | 5,249,202 | 97.5 | 136,8 | 2.5 | | | + | |
| MINNESOTA | 2,041,497 | 2,041,497 | 100.0 | -0- | 0.0 | | | | |
| M1831331PP1 | 1,185,614 | 1,179,350 | 99,5 | 6,264 | 0.5 | | | | |
| HISSOURI | 2,174,900 | 2,174,900 | 100 | -0- | 0.0 | | | + | |
| | | | | | | | | | |
| MATHON | 419,491 | 397,310 | 94.7 | 22, 181 | 5.3 | | + | + | |
| HERRASKA | 684,202 | 684,202 | 100.0 | -0- | 0.0 | | + | + | + |
| MEVADA | 145,465 | 145,465 | 100.0 | -0- | 0., | | + | + | + |
| NEW HAMPSHIRE | 75,202 | 75,188 | 100.0 | 14 | 0.0 | | + | + | + |
| NEW JENSEY | 1,889,388 | 1,826,121 | 96.7 | 63,267 | 3.3 | | + | + | + |
| | | | 100.0 | | | | 1 | | 1 |
| MEN MEXICO | 180,729 | 180,729 | 100.0 | 248 644 | 0.0 | · - - | + | + | + |
| NEW YORK | 5,315,896 | 5,067,252 | 95.3 | 248,644 | 0.0 | | + | + | + |
| MORTH CAROLINA | 1,350,216 | 1,350,216 | 100.0 | -0- | 0.0 | | + | 1 | |
| MORTH DAKOTA | | 419,292 5,119,443 | 100.0 | 913 | 0.0 | - —— | + | + | 1 |
| OH10 | 5,120,356 | + J.11.7,443 | 1 100.0 | 1 213 | 1 0,0 | | + | | + |
| OKLAHOMA | 1,280,824 | 1,280,824 | 100 | -0- | 0.0 | | 1 | | |
| OKLAHOMA OREGON | 1,749,756 | 1,747,986 | 99.9 | 1,770 | 0.1 | | I | | 1 |
| PERNSYLVANIA | 4,894,426 | 4,894,426 | 100.0 | -0- | 0.0 | | I | | |
| RHODE ISLAND | 362,185 | 362,185 | 100.0 | -0- | 0.0 | | | | |
| SOUTH CAROLINA | 1,789,345 | 1,784,395 | 99.7 | 4,950 | 0.3 | | | | |
| | | | Ť - | | | | | 1 | |
| SOUTH DAKOTA | 405,268 | 405,268 | 100.0 | -0- | 0.0 | | + | | + |
| TENNESSEE | 2,189,557 | 2,189,557 | 100.0 | -0- | 0.0 | | | | |
| TEXAS | 2,813,144 | 2,812,258 | 100.0 | 886 | 0.0 | | | + | |
| UTAH | 779,993 | 765,492 | 98.1 | 14,501 | 1.9 | | | | |
| VERMONT | 64,148 | 63,964 | 99.7 | 184 | 0.3 | | | + | |
| | | · | | | | | | 1 | , - |
| VIRGINIA | 2,169,127 | 2,169,127 | 100.0 | -0- | 0.0 | - | + | + | + |
| MASH INGTON | 1,490,843 | 1,490,843 | 100.0 | -0- | 0.0 | | + | | _ |
| FEST VIRGINIA | 808,660 | 808,660 | 100.0 | -0- | 0.0 | | + | + = | + |
| WISCONSIN | 2,620,080 | 2,620,080 | 100.0 | -0- | 0.0 | | + | + | + |
| MAGNING | 163,922 | 163,922 | 100.0 | -0- | 0.0 | | + | + | + |
| AMERICAN SAMOA | 100,000 | 100,000 | -0- | *0* 2.360 | 0.0 | | | + | + |
| THUST TOURITORY | 74,588 | 72,228 | 95,8 100.0 | 2,360 | 0.0 | <u> </u> | + | | + |
| DISTRICT OF COLUMBIA | 246,139 100,000 | 100,000 | 100.0 | -0- | 0.0 | | + | 1 | + |
| GUAN | 1,155,460 | 100,000 925,846 | 100.0 80.1 | 229,614 | 19.9 | | 1 | | + |
| PUERTO RICO | | | 100.0 | | | - — | + | 1 | + |
| | | 100,000 | | l =0= | 0.0 | | - | _ | _ |
| VIRGIR ISLANDS | 100,000 | | | | | • —— | | | |
| VIRGIR ISLANDS BUTGAU OF INGLAT Affairs | 100,000 50,000 | 50,000 | 100.0 | -0- | 0.0 | | | | |



Table 3. Sources of funds and percent of total expenditures for acquisition of equipment and materials and minor remodeling under NDEA title III. Fiscal year 1971

| | | r NDRA ELETE TITE FIB | | | | | | Appalachian Regional | | |
|----------------------------------|------------------------|------------------------|-------------------------|----------------------|------------------|---|------------------|----------------------|------------------|--|
| State or Federal other allotment | | Total expenditures | Federal expenditures | | | State-local e | | Development Act | | |
| area | | (col,4+7+9) | Expenditures | Percent of allotment | Percent of total | Expenditures | Percent of total | Cost | Percent of total | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | |
| | \$47,500,000 | \$88,911,611 | \$40,005,613 | 84.22 | 44.99 | \$48,273,521 | 54.29 | \$632,477 | 0.72 | |
| ALADAMA | 1,142,999 | 2,287,998 | 1,143,999 | 100.0 | 50.0 | 1,143,999 | 50.0 | -0- | 0.0 | |
| ALASKA | 71,996 | 155,002 | 75,996 | 100,0 | 49.0 | 79,006 | 51.0 | -0- | 0.0 | |
| ARIZONA | 507,399 | 1,014,798 | 507,399 610,488 | 100.0 | 50.0 49.6 | 507,399 620,563 | 50,0 50,4 | -0- | 0,0 | |
| ARKAMSAS CALIFORNIA | 610,488 3,535,998 | 7,486,044 | 3,535,998 | 100.0 | 47.23 | 3,950,046 | 57,23 | -0- | 0.0 | |
| COLORADO | 531,257 | 1,141,057 | 492,507 | 46.55 | 43.16 | 648,550 | 56.83 | -0- | 0.0 | |
| CORRECTICUT | 464,283 | 937,238 | 454,283 | 100,0 | 49.5 | 472,955 | 50.5 | -0- | 0.0 | |
| DEFTANTE | 114,705 | 196,235 2,574,589 | 98,118 1,287,294 | 85.53 87,2 | 50,00 | 98,117 | 50.0 | -0- | 0.0 | |
| FLORIDA GEORGIA | 1,475,713 1,372,931 | 1,942,937 | 971,468 | 70.8 | 50.0 | 834,134 | 42.9 | 137,335 | 7.1 | |
| | | | | | | *** *** | 72.6 | | | |
| I ANAMA | 206, 976 222, 979 | 782,828 445,958 | 206,976 | 100.0 | 26.4 50.0 | 575,852 222,97. | 73.6 | -0- | 0.0 | |
| 10AHO | 1,984,149 | 7,362,798 | 1,699,276 | 85.64 | 23.07 | 5,663,522 | 76.92 | -0- | 0.0 | |
| LARIARA | 1,217,833 | 2,435,666 | 1,217,833 | 100,0 | 50.0 | 1,217,833 | 50.0 | -0- | 0,0 | |
| IOVA | 659,104 | 1,692,494 | 659,104 | 100.0 | 38.94 | 1,033,390 | 61,05 | -0- | 0.0 | |
| *EARSAS | 563,945 | 1,221,649 | 563,945 | 100.0 | 46.16 | 652,086 | 53.37 | -0- | 0.0 | |
| RESTUCE | 348, 377 | 591,014 | 295,507 | 31,1 | 50.0 | 295,507 | 50,0 | -0- | 0.0 | |
| LOUISIANA | 1,246,843 | 107,222 | 53,611 | 9.31 | 50.0 | 53,611 24,769 | 50.0 | -0- | 0.0 | |
| MATHE | 265,625 832,052 | 49,498 | 24,749 600,807 | 72.20 | 48.80 | 600,806 | 48.80 | 29,413 | 2.38 | |
| | | T | 987,713 | 100,0 | 47.8 | 1,077,108 | 52,2 | -0- | 0,0 | |
| MASSACHUSETTS MICHIGAN | 987,713 2,116,053 | 2,064,821 5,386,053 | 2,116,053 | 100.0 | 39.28 | 3,270,000 | 60.71 | -0- | 0,0 | |
| MINNESOTA | 987,778 | 2,041,497 | 387,778 | 100.0 | 48.4 | 1,053,719 | 51.6 | -0- | 0,0 | |
| M1931931PF1 | 808,793 | 1,185,614 | 592,807 | 73.29 | 50.00 | 592,807 | 50.0 | -0- | 0.0 | |
| MISSOURI | 1,054,691 | 2,174,900 | 1,054,691 | 100.0 | 48.5 | 1,120,209 | 51,5 | -0- | 0.0 | |
| _ IONTANA | 207,298 | 419,491 | 207,298 342,101 | 100,0 96.46 | 30.0 | 212,193 342,101 | 50.6 50.0 | -0- | 0.0 | |
| MEBRASKA MEVAGA | 354,630 86,937 | 684,202 145,465 | 72,733 | 83.7 | 50.0 | 72,732 | 30.0 | -0- | 0.0 | |
| *AEW HAMPSHIRE | 165,189 | 75,202 | 37,601 | 22.76 | 50.0 | 37,601 | 50.0 | 0- | 0.0 | |
| NEW JERSEY | 1,180,248 | 1,889,388 | 938,783 | 79.00 | 49,68 | 950,605 | 50.3 | -0- | 0.0 | |
| MEN HEX 1CO | 270,233 | 180,729 | 88,557 | 23.9 | 49.0 | 7,172 | 51.0 | -0- | 0.0 | |
| NEW YORK | 2 6: 7,948 | 5,315,896 | 2,657,948 | 100.0 | 50.0 | 2,657,948 661,124 | 50.0 | 59,767 | 0.0 | |
| MORTH CARULIDA | 1, 42,773 196,253 | 419,292 | 196,253 | 100.0 | 46.8 | 223,039 | 53.2 | -0- | 0.0 | |
| 0010 | 2,560,178 | 5,120,356 | 2,560,178 | 100.0 | 50.0 | 2,400,362 | 46.3 | 159,816 | 3.1 | |
| OKLAHONA | 640,709 | 1,280,824 | 640,412 | 99.9 | 50.0 | 640,412 | 50.0 | -0- | 0.0 | |
| ORECOM | 459,537 | 1,749,756 | 459,415 | 99.79 | 26.25 | 1,290,341 | 73.74 | -0- | 0.0 | |
| PENNSYLVANIA RHODE ISLAND | 2,447,213 170,886 | 4,894,426 362,185 | 2,447,213 170,886 | 100.0 | 50.0 | 191,299 | 30.0 | -0- | 0.0 | |
| SOUTH CAROLINA | 894,682 | 1,789,345 | 755,092 | 84.39 | 42,19 | 918,361 | 51,32 | 115,892 | 6,47 | |
| SOUTH DAKOTA | 206,010 | 405,268 | 160,634 | 78.0 | 39.6 | 244,634 | 60.4 | -0- | 0.0 | |
| TENNESSEE | 1,134,525 | 2,189,557 | 1,094,779 | 96.49 | 50.0 | 964,524 | 44.0 | 130,254 | 6.7 | |
| 1 EXAS | 3,198,190 | | 1,406,572 | 88.0 | 50.0 | 1,406,572 | 50.0 | -0- | | |
| VERMONT | 363,334 114,034 | | 361,334 29,878 | 100,0 26,2 | 46.6 | 416,659 34,270 | 53,4 | -0- | - | |
| - | | | 1,076,557 | 88,63 | 49.6 | 1,092,570 | 50,4 | -0- | 0.0 | |
| VIRGINIA WASHINGTON | 1,214,806 | | 720,652 | 100.0 | 48.3 | 770,191 | 51.7 | -0- | 0.0 | |
| WEST VIRGINIA | 524,424 | | 404,330 | 77,1 | 50.0 | 404,330 | 50.0 | -0- | 0.0 | |
| WISCONSIN | 1,062,970 | 2,620,080 | 1,002.970 | 100,0 | 40.6 | 1,557,110 | 59.4 | -0- | 0.0 | |
| WYON: NG | 90,759 50,000 | | $\frac{80,616}{50,000}$ | 88,81 100,0 | 49,17 50.00 | 83,306 50,000 | 50,82 | -0- | 0.0 | |
| *MMERICAN SAMOA | 50,000 | | 37,294 | 74.6 | 50.0 | 37.294 | 50.00 | -0- | 0.0 | |
| DISTRICT OF COLUMBIA | 116,292 | 246,139 | 116,292 | .00.0 | 47,24 | 129,847 | 52.75 | -0- | 0.0 | |
| GUAM | 50,000 | | 50,000 | 1 00.0 | 50.00 | 50,000 | 50,10 | -0- | 0.0 | |
| PUERTO RICO WIRGIN ISLANDS | 625,000 50,000 | | 576,531 | 92.24 100.0 | 49.89 50.00 | 578,929 50,000 | 50.00 | -0- | 0.0 | |
| Bureau of Indian | | | | | <u></u> | *************************************** | <u> </u> | | 0,0 | |
| Affairs *Estimated | 50,000 | 50,000 | 50,000 | 100.0 | 100.0 | -0- | -0- | -0- | 0,0 | |
| DB CTWW CGA | | | | | | | | | | |

^{*}Estimated



Table 4. Federal and state-local funds expended for materials and equipment under NDEA ritle ill in seven academic subject (reas: Fiscal Year 1971

| | | Natural sciences | | Mathema | t i es | Social stud | iles | Modern for d languages | • • • |
|--|---------------|------------------|------|------------|---------|--------------|-------------|---------------------------|--------------------|
| MAINA 179,327 25,3 36,733,978 1,7 312,967,963 16,8 53,653,222 | | | | | | | | | Percent (9) |
| Section 1,11,11,11,11,11,11,11,11,11,11,11,11,1 | \$27 | | 28,4 | 86,735,978 | 1.7 | \$12,947,943 | 14.8 | \$3,653,222 | 4,2 |
| | | 579.327 | 25.3 | 158,036 | 6.9 | 332,763 | 14.6 | 42,180 | 1.8 |
| | | | | | 6.2 | | | | 0.0 |
| MALIFERITA | | 107,853 | 21.0 | 94,809 | 9.6 | | | | 1.7 |
| 10.00 10.0 | | 544,116 | | | | | | | 6.8 |
| Section 1,55,756 10.5 178,466 3.4 149,605 16.0 61,459 11,4884 31,173 22.5 33,708 17.2 33,173 17.5 16.9 31,173 17.5 17. | <u> </u> | 1,710,104 | 23.0 | 933,249 | 12.6 | 923,707 | 12.4 | 3071749 | |
| | | 344,790 | | | | | | | 4.5 |
| 100 | ut | | 30.5 | 78,446 | | | | 31 250 | $\frac{6.5}{15.9}$ |
| CASTON CASTATION CASTATI | | | 22.5 | | | | | | 1,1 |
| 109611 | | 540,065 | | | | | | | 2,0 |
| 1444 | | 485,734 | 25.0 | 213,723 | 11.0 | 347,727 | 10.0 | | |
| 1948 1950 | | | | | | | | | $\frac{0.7}{2.0}$ |
| 1001414 | | | | | | | | | 4.3 |
| 1094 375,709 21.6 146,523 8.6 277,162 16.4 35,008 188785 376,643 28.1 49,773 4.1 155,384 13.0 58,356 188785 202,005 34.2 6.954 6.5 30,948 28.1 1.204 188785 376,643 28.1 49,773 4.1 155,384 13.0 58,356 188785 376,643 28.1 49,773 4.1 155,384 13.0 58,356 188785 376,643 28.1 49,773 4.1 155,384 13.0 58,356 188785 376,643 28.1 49,773 4.1 155,384 13.0 58,356 188785 376,663 37.2 27.2 6.954 6.5 30,948 28.1 1.204 188785 376,667 31.3 126,932 10.3 330,150 26.5 48,553 188785 378,667 31.3 126,932 10.3 330,150 26.5 48,553 188785 487,698 23.2 24,856 10.9 226,949 11.0 122,844 188785 487,698 23.9 13,451 1.6 422,667 21.0 108,124 188785 487,698 23.9 13,451 1.6 422,667 21.0 108,124 188785 488,090 38.9 78,866 6.7 200,622 17.0 9,696 188785 488,090 38.9 78,866 6.7 200,622 17.0 9,696 188785 488,090 38.9 78,866 6.7 200,622 17.0 9,696 188785 102,012 25.7 18,237 4.6 119,466 30.1 4,355 18878 102,012 25.7 18,237 4.6 119,466 30.1 4,355 18878 102,012 25.7 18,237 4.6 119,466 30.1 4,355 18878 18878 12,003 27.9 1,754 2.3 7,788 10.4 25,086 18878 18878 379,478 20.6 412,227 22.2 20.3 23,356 12.7 23,368 18878 18878 39,909 38.9 79,374 4.3 309,905 26.0 38,350 18878 18878 39,909 38.9 79,374 4.3 309,905 26.0 38,350 18878 18878 39,909 38.9 79,399 4.0 40,236 9.6 221,386 18978 18978 30,909 28.9 79,374 4.3 309,905 26.0 38,350 18978 18978 30,909 28.9 79,374 4.3 309,905 26.0 38,350 18978 18978 30,909 38.9 39,399 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 39,309 | | | | | | | | | 10.6 |
| Name 1885 316,613 28,1 49,773 4,1 155,384 13.0 58,356 | | | | | | | | | 2.1 |
| RETIFIET 202,005 34.2 70,338 3.4 45,491 7.7 9,003 LOUISIAN 20,005 34.2 70,338 3.4 45,491 7.7 9,003 LOUISIAN 20,005 32.2 6,594 6.5 30,948 28." 1,204 LOUISIAN 20,005 38.9 75.5 786 1.6 508 1.7 2,978 LARTIND 384,676 31.3 126,592 10.3 330,150 26.8 48,553 LARTIND 384,676 31.3 126,592 10.3 330,150 26.8 48,553 LARTIND 384,676 31.3 126,592 10.3 330,150 26.8 48,553 LARTIND 384,676 31.3 126,592 10.3 330,150 126,840 10.0 162,844 LICHIGAN 1,113,155 12.6 235,387 4.5 1,019,259 19.4 180,794 LICHIGAN 1,113,155 12.6 235,387 4.6 119,465 30.1 4,255 LICHIGAN 1,113,155 12.7 1 161,644 9.0 202,685 29.5 38,017 LICHIGAN 3,4,682 23.9 13,428 9.2 10,865 7.5 16,326 LICHIGAN 1,114,152 12.5 10.0 1.997 1.1 1 10,921 6.1 5,990 LICHIGAN 1,114,162 22.5 508,597 12.0 606,776 12.0 222,348 LOUIS 1,116,114 22.7 397,644 6.4 716,722 14.0 222,348 LICHIGAN 1,111,111,111,111,111,111,111,111,111, | | 3,71,02 | | | | 1 - | · | | , , |
| 100111414 | | | | 49,773 | | | | 58,356 6 and | 4.9 |
| 10011111 | | | | | | | | | 1.1 |
| MASTICAD 384,676 31.3 126,932 10.3 330,150 26,8 48,553 MASSACHUSETTS 518,725 25,1 224,856 10.9 226,949 11.0 162,844 ICHICAN 1,713,156 32.6 235,387 4.5 1,019,759 19.6 180,794 MASSACHUSETTS 487,698 23.9 156,107 76.6 429,667 21.0 108,124 MASSACHUSETTS 487,698 23.9 156,107 76.6 429,667 21.0 108,124 MASSACHUSETTS 487,698 23.9 78,966 6.7 200,622 17.0 9,698 MASSACHUSETTS 488,090 38.9 78,966 6.7 200,622 17.0 9,698 MASSACHUSETTS 468,090 38.9 78,966 6.7 200,622 17.0 9,698 MASSACHUSETTS 458,090 38.9 78,966 6.7 200,622 17.0 9,698 MASSACHUSETTS 468,090 38.9 78,966 6.7 200,622 17.0 200,655 29.6 38,017 MASSACHUSETTS 468,090 38.9 78,966 6.7 200,665,76 12.0 200,686 MASSACHUSETTS 47,969 48,999 48 | ` | | | | | | | | 6.0 |
| MASSACRUSETTS 518,725 25.1 224,856 10.9 226,949 11.0 162,844 AICRIGAN 1,713,156 22.6 235,387 4.5 1,019,759 19.4 180,794 MINNIGAT 487,698 23.9 1,6101 7.6 429,667 21.0 108,124 MINNIGAT 487,698 23.9 1,62,101 7.6 429,667 21.0 108,124 MINNIGAT 488,090 38.9 78,5966 6.7 200,622 17.0 9,696 MISSORIH 606,123 27.9 127,987 5.9 428,374 19.7 52,830 MISSORIH 606,123 27.7 18,237 4.6 119,466 30.1 4,355 MORTANA 102,012 25.7 18,237 4.6 119,466 30.1 4,355 MERMATA 185,561 27.1 61,644 9.0 202,685 29.6 38,011 MEVALOA 34,682 23.9 13,428 9.2 10,866 7.5 16,326 MEY MARPASHER 21,008 27.9 1754 2.3 7,788 10.4 25,086 MEY MARPASHER 21,008 27.9 1754 2.3 7,788 10.4 25,086 MEY MARPASHER 21,008 27.9 1754 2.3 7,788 10.4 25,086 MEY MARPASHER 21,008 27.9 1754 2.3 7,788 10.4 25,086 MEY MARPASHER 21,008 27.9 1754 2.3 7,788 10.4 25,086 MEY MARPASHER 21,008 27.9 1754 2.3 7,788 10.4 25,086 MER MERICO 56,029 31.0 1,997 1.1 10,921 6.1 5,990 MER MERICO 56,029 31.0 1,997 12.0 606,776 12.0 225,348 MORTINAROLITA 390,083 28.9 57,374 4.3 349,905 26.0 38,350 MORTINAROLITA 390,083 28.9 57,374 4.3 349,905 26.0 38,350 MORTINAROLITA 273,563 65.2 19,359 4.6 40,236 9.6 22,478 ONLINO 1,162,114 22.7 327,644 6.4 716,722 14.0 225,255 OKLIMOMA 307,398 24.0 43,932 3.4 140,891 11.0 64,425 OKLIMOMA 307,398 24.0 43,932 3.4 140,891 11.0 64,425 OKLIMOMA 307,498 25.4 59,061 2.9 516,047 29.5 40,512 OKLIMOMA 307,498 25.4 59,061 2.9 516,047 29.5 40,512 OKLIMOMA 40,103 41.5 319,199 6.5 321,465 10.7 213,699 FINALLY 707,408 25.2 275,663 9.8 297,729 10.6 83,438 OKURRA 44,103 44,103 44,103 4 | | | | | | | | | 3.9 |
| HIRTORY 1,713,156 32.6 235,387 4.5 1,019,759 19.4 180,794 1818017 487,698 23.9 1.26,101 7.6 629,667 21.0 108,124 18181518P1 438,090 38.9 78,966 6.7 200,622 17.0 9,696 11.50081 606,123 27.9 127,987 5.9 428,374 19.7 52,830 1818081 606,123 27.7 18,237 4.6 119,466 30.1 4,355 428,374 19.7 52,830 187,561 27.1 61,644 9.0 202,685 29.6 38,017 187,408 3.0 19,466 30.1 4,355 41,408 41 | | | | 224 256 | 10.3 | 226 040 | 11.0 | 162 844 | 7.9 |
| ### ### ### ### ### ### ### ### ### ## | SETTS | | | | | | | | 3.5 |
| ## \$51531P1 | | | | | | | | | 5.3 |
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| REPRINTA | | | | | | | 19.7 | 52,830 | 2.4 |
| REBRASTA 185,561 27.1 61,644 9.0 202,685 29.6 38,017 REVADA 34,682 23.9 13,428 9.2 10,865 7.5 16,326 REW INDESTREE 21,008 27.9 1,754 2.3 7,788 10.4 25,086 REW INDESTREE 376,478 20.6 412,227 22.6 231,354 12.7 81,505 REW INDESTREE 376,478 20.6 412,227 22.6 231,354 12.7 81,505 REW INDESTREE 376,478 20.6 412,227 22.6 231,354 12.7 81,505 REW INDESTREE 376,478 20.6 412,227 22.6 231,354 12.7 81,505 REW YORK 1,141,632 22.5 608,397 12.0 606,776 12.0 225,348 VORTH CARDLINA 390,083 28.9 57,374 4.3 349,905 26.0 38,350 VORTH CARDLINA 390,083 28.9 57,374 4.3 349,905 26.0 38,350 VORTH CARDLINA 390,083 28.9 57,3764 6.4 716,722 14.0 222,478 ORLIO 1,162,114 22.7 327,644 6.4 716,722 14.0 222,255 OKLAHOMA 307,398 24.0 43,932 3.4 140,891 11.0 64,425 ORLION 464,698 25,4 50,041 2.9 516,047 29.5 40,532 CREMISTICANIA 2,131,093 43.5 319,139 6.5 521,465 10.7 213,690 RMODE ISLAND 147,718 40.8 69,830 19.3 32,979 9.1 30,269 SOUTH DAROTA 170,958 42.2 38,753 9.6 39,691 9.8 19.218 TEVANESTEE 739,689 33.8 86,811 3.9 274,770 12.5 121,896 VERNINGTOR 304,331 24.4 91,878 6.2 394,735 26.5 43,061 VERRINGTOR 304,331 24.4 91,878 6.2 394,735 26.5 43,061 WEST VIRGINIA 217,76 35.5 7,018 4.3 26,164 16.0 2,872 VERNINGTOR 304,331 24.4 91,878 6.2 394,735 26.5 43,061 WEST VIRGINIA 217,865 26.9 47,261 5.9 152,055 18.8 22,699 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 WISCONSIN 755,115 26.5 47,018 4.3 265,164 16.0 2,872 ORTHORY 70,000 70,000 70,000 70,000 | } | 102 012 | 25 7 | 18.237 | 4.6 | 119,466 | 30.1 | 4,355 | 1.1 |
| #EVADA 34,682 23.9 13,428 9.2 10,869 7.5 16,326 #EV MANPSHIEE 21,008 27.9 1,754 2.3 7,788 10.4 25,086 #EV JURISTY 376,478 20.6 412,227 22.6 231,354 12.7 81,505 #EV JURISTY 376,478 20.6 412,227 22.6 231,354 12.7 81,505 #EV JURISTY 376,478 20.6 412,227 22.6 231,354 12.7 81,505 #EV JURISTY 376,478 20.6 412,227 22.6 606,776 12.0 225,348 #EV TORK 1,141,632 22.5 608,997 12.0 606,776 12.0 225,348 #EV TORK 390,083 28.9 57,374 4.3 349,905 26.0 38,350 #EV MORTY DAKOTA 273,563 65.2 19,359 4.6 60,236 9.6 22,448 ##EV TORK 307,398 24.0 43,932 3.4 140,891 11.0 64,425 ##EV TORK 444,698 25.4 50,041 2.9 516,047 29.5 40,535 ##EV MODI ISLAND 147,718 40.8 69,830 19.3 32,979 9.1 30,269 ##EV TORK 447,188 40.8 69,830 19.3 32,979 9.1 30,269 ##EV TORK 470,958 42.2 38,753 9.6 39,691 9.8 19.0 47,150 ##EV TORK 470,7408 25.2 275,683 9.8 297,770 12.5 121,896 ##EV TORK 48,531 24.4 91,87 66,839,96 39,691 9.8 19.0 ###EV TORK 48,531 22.5 40,933 32,939 10.6 83,438 ###EV TORK 48,531 22.5 40,933 32,939 10.6 83,438 ####EV TORK 48,531 22.5 40,933 32,939 10.6 83,438 ################################### | | | 27.1 | | | | 29.6 | 38,017 | 5.6 |
| NEW MANPSMIRE 21,008 27.9 1,754 2.3 7,788 10.4 25,086 | | | 23.9 | 13,428 | 9.2 | 10,869 | | | 11.2 |
| REW PRISE 379,400 1,997 1,1 10,921 6,1 5,990 REW YORK 1,141,632 22.5 608,597 12.0 606,776 12.0 225,348 RORTH CAROLIPA 390,083 28.9 57,374 4.3 349,905 26.0 38,350 RORTH OAKOTA 273,563 65.2 19,359 4.6 40,236 9.6 22,478 RORTH OAKOTA 373,598 24.0 43,932 3.4 140,891 11.0 64,425 OKLAHOMA 307,398 24.0 50,041 2.9 516,047 29.5 40,532 FERISTLYARIA 2,131,093 43.5 319,139 6.5 521,445 10.7 213,690 RHOOI ISLAHO 147,718 40.8 69,830 19.3 32,979 9.1 30,269 SOUTH CAROLIPA 643,152 36.1 79,380 4.5 339,768 19.0 47,150 SOUTH CAROLIPA 170,958 42.2 38,753 9.6 39,691 9.8 19,218 FERRISTLY ARIA 271,726 33.5 39,963 5.2 165,423 21.6 20,942 UTAH 271,726 33.5 39,963 5.2 30,864 32.6 -0- VIRGINIA 815,758 37.6 164,339 7.6 280,241 12.9 97,081 WASHINGTOR 304,331 24.4 91,878 6.2 394,736 26.5 43,061 WASHINGTOR 304,331 24.4 | SHIRE | | | 1,754 | | | | | 33.4 |
| No. No. | | | 20.6 | 412,227 | 22.6 | 231,354 | 12.7 | 81,505 | 4.5 |
| REW YORK | co | 56.029 | 31.0 | 1,997 | 1.1 | 10,921 | | | 3.3 |
| TORTH CAROLINA 390,083 28.9 57,374 4.3 349,905 26.0 38,350 | | | | | | | | | 4.5 |
| ONTO 1,162,114 22.7 327,644 6,4 716,722 14.0 225,255 OKLAMONA 307,398 24.0 43,932 3.4 140,891 11.0 64,425 OREGON 444,698 25.4 50,041 2.9 516,047 29.5 40,532 PEWRSTLVAWIA 2,131,093 43.5 319;139 6.5 521,445 10.7 213,690 RNODE ISLAND 147,718 40.8 69,830 19.3 32,979 9.1 30,269 SOUTH CAROLINA 643,152 36.1 79,380 4.5 339,768 19.0 47,150 SOUTH DAKOTA 170,958 42.2 38,753 9.6 39,691 9.8 19,218 TENESSEE 739,689 33.8 84,841 3.9 274,770 12.5 121,896 1EXID 707,408 25.2 275,683 9.8 297,729 10.6 83,438 UTAH 221,786 35.2 275,683 9.8 297,729 | | | | | | | | | 2.8 |
| OKLAHOMA 307,398 24.0 43,932 3.4 140,891 11.0 64,425 0REGOR 444,698 25,4 50,041 2.9 516,047 29.5 40,532 REMOSTLYAMIA 2,131,093 43.5 319;139 6.5 521,445 10.7 213,690 RHOOE ISLAND 147,718 44,8 69,830 19.3 32,979 9.1 30,269 SOUTH CAROLINA 643,152 36.1 79,380 4.5 339,768 19.0 47,150 SOUTH DAKOTA 170,958 42.2 38,753 9.6 39,691 9.8 19,218 TERRESSEE 739,689 33.8 84,841 3.9 274,770 12.5 121,896 156,5 177,408 25,2 275,683 9.8 297,729 10.6 83,438 UTAM 271,726 35.5 39,963 9.3 20,864 32.6 -0- VERHORT 7,873 12.3 5,963 9.3 20,864 32.6 -0- VIRGINIA 815,758 37.6 164,339 7.6 280,241 12.9 92,081 WASHINGTON 304,331 24.4 91,878 6,2 394,736 26.5 43,061 WASHINGTON 304,331 24.4 91,878 6,2 394,736 26.5 43,061 470,018 470,018 470,018 46,011 52.5 7,018 4.3 26,164 16.0 2,872 APERICAN SAPOA -0001010101010 | KOTA | | | | | | | | 5.4 |
| OREGON 444,598 25,4 50,041 2.9 516,047 29.5 40,532 OREGON 444,598 25,4 50,041 2.9 516,047 29.5 40,532 PEWINSTLYANIA 2,131,093 43.5 319,139 6.5 521,445 10.7 213,690 RMODE ISLAND 147,718 40.8 69,830 19.3 32,979 9.1 30,269 SOUTH CAROLINA 643,152 36.1 79,380 4.5 339,768 19.0 47,150 SOUTH DAKOTA 170,958 42.2 38,753 9.6 39,691 9.8 19,218 TEWKSSEE 739,689 33.8 84,841 3.9 274,770 12.5 121,896 1EXAS 707,408 25.2 275,683 9.8 297,729 10.6 83,438 UTAN 271,726 35.3 39,963 5.2 165,423 21.6 20,942 VERNORT 7,873 12.3 5,963 9.3 20,864 32 | | 1,162,114 | 22.7 | 327,644 | | 710,722 | | | 1 |
| PEMBSTLVAMIA 2,131,093 43.5 319;139 6.5 521,445 10.7 213,690 | | 307,398 | 24.0 | | 3.4 | · | | | 5.0 |
| RHODE ISLAND 147,718 40,8 69,830 19.3 32,979 9.1 30,269 SOUTH CAROLINA 643,152 36.1 79,380 4.5 339,768 19.0 47,150 SOUTH DAKOTA 170,958 42.2 38,753 9.6 39,691 9.8 19,218 TEXMESSEE 739,689 33.8 84,841 3.9 274,770 12.5 121,896 1EXP. 707,408 25.2 275,683 9.8 297,729 10.6 83,438 UTAN 271,726 35.5 39,963 5.2 165,423 21.6 20,942 VERNOUT 7,873 12.3 5,963 9.3 20,864 32.6 -0- VIRGINIA 815,758 37.6 164,339 7.6 280,241 12.9 92.081 WASMINGTON 364,331 24.4 91,878 6.2 394,736 26.5 43,061 WEST VIRGINIA 217,865 26.9 47,261 5.9 152,005 18.8 22,689 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 66,689 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 66,689 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 66,768 WASMINGTON 866,011 52.5 7,018 4.3 26,164 16.0 2,872 WEST TERRITORY 28,616 39.6 14,416 20,0 16,228 27.5 -0- DISTRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 33,710 | | | | | | | | | 2.3 |
| SOUTH CAROLINA 643,152 36.1 79,380 4.5 339,768 19.0 47,150 SOUTH CAROLINA 643,152 36.1 79,380 4.5 339,768 19.0 47,150 SOUTH DAKOTA 170,958 42.2 38,753 9.6 39,691 9.8 19,218 TERMESSEE 739,689 33.8 84,841 3.9 274,770 12.5 121,896 1EXD 707,408 25.2 275,683 9.8 297,729 10.6 83,438 UTAH 271,726 33.5 39,963 5.2 165,423 21.6 20,942 VERMORT 7,873 12.3 5,963 9.3 20,864 32.6 -0- VIRGINIA 815,758 37.6 164,339 7.6 280,241 12.9 92.081 WASHINGTON 304,331 24.4 91,878 6.2 394,736 26.5 43,061 WEST VIRGINIA 217,865 26.9 47,261 5.9 152,005 18.8 22,689 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 #*TOWING 86,011 52.5 7,018 4.3 26,164 16.0 2,872 ##ERICAN SAMOA -000000- USTRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 35,710 | | | | | | | | | 8.3 |
| SOUTH DAKOTA 170,958 42.2 38,753 9.6 39,691 9.8 19,218 | | | | | | | | | 2.6 |
| TENNESSEE 739,689 33.8 84,841 3.9 274,770 12.5 121,896 1EXAS 707,408 25.2 275,683 9.8 297,729 10.6 83,438 UTAN 271,726 35.5 39,963 5.2 165,423 21.6 20,942 VERNOUT 7,873 12.3 5,963 9.3 20,864 32.6 -0- VERNOUT 7,873 12.3 5,963 9.3 20,864 32.6 -0- VERNOUT 815,758 37.6 164,339 7.6 280,241 12.9 92.081 WASHINGTON 354,331 24.4 91,878 6.2 394,736 26.5 43,061 WEST VIRGINIA 217,865 26.9 47,261 5.9 152,065 18.8 22,689 WISCONSIIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 WISCONSIIN 86,011 52.5 7,018 4.3 26,164 16.0 2,872 AMERICAN SAMOA -00000- RUST TERRITORY 28,616 39.6 14,416 20,0 16,228 27.5 -0- DISTRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 35,710 | | | | | 1 | | 0.8 | 19 218 | 4.7 |
| TEXAL 10 10 10 10 10 10 10 1 | | | | | | | | | 5.6 |
| UTAH 271,726 35.5 39,963 5.2 165,423 21.6 20,942 VERMOUT 7,873 12.3 5,963 9.3 20,864 32.6 -0- VIRGINIA 815,758 37.6 164,339 7.6 280,241 12.9 97.081 WASHINGTON 354,331 24.4 91,878 6,2 394,736 26.5 43,061 WEST VIRGINIA 217,865 26.9 47,261 5.9 152,005 18.8 22,689 WISCONSIIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 WFOWING 86,011 52.5 7,018 4.3 26,164 16.0 2,872 AMERICAN SAMDA -0- -0- -0- -0- -0- RUST TERRITORY 28,615 39.6 14,416 20,0 16,228 27.5 -0- DISTRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 | · E | | | | · | | | | 3.0 |
| VERNOUT 7,873 12.3 5,963 9.3 20,864 32.6 -0- VIRGINIA 815,758 37.6 164,339 7.6 280,241 12.9 97.081 WASHINGTON 354,331 24.4 91,878 6.2 394,736 26.5 43,061 WEST VIRGINIA 217,865 26.9 47,261 5.9 152,005 18.8 22,689 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 470MING 86,011 52.5 7,018 4.3 26,164 16.0 2,872 AMERICAN SAMDA -0- -0- -0- -0- DISTRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 35,710 | | | | | | 165, 423 | | | 2.7 |
| VIRGINIA 815,758 37.6 164,339 7.6 280,241 12.9 92.081 WASHINGTON 354,331 24.4 91,878 6.2 394,736 26.5 43,061 WEST VIRGINIA 217,865 26.9 47,261 5.9 152,005 18.8 22,689 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 470MING 86,011 52.5 7,018 4.3 26,164 16.0 2,872 AMERICAN SAMDA -0- -0- -0- -0- TRUST TERRITORY 28,615 39.6 14,416 20,0 16,228 27.5 -0- DISTRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 35,710 | | | | | | | | | 0.0 |
| WASHINGTOR 304,331 24.4 91,878 6.2 394,736 26.5 43,061 WEST VIRGINIA 217,865 26.9 47,261 5.9 152,065 18.8 22,689 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 #FOWING 86,011 52.5 7,018 4.3 26,164 16.0 2,872 AMERICAN SAMDA -0- -0- -0- -0- TRUST TERRITORY 28,616 39.6 14,416 20,0 16,228 27.5 -0- DISTRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 35,710 | | | | | | 200 2/1 | 12.0 | 97 091 | 4.3 |
| #EST VIRGINIA 217,865 26.9 47,261 5.9 152,065 18.8 22,689 WISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 #TONING 86,011 52.5 7,018 4.3 26,164 16.0 2,872 AMERICAN SAMOA -00000- TRUST TERRITORY 28,616 39.6 14,416 20,0 16,228 27.5 -0- 21STRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 35,710 | | | | | | | | | 2.9 |
| #ISCONSIN 755,115 28.8 133,157 5.1 319,510 12.2 67,618 #IOWING 86,011 52.5 7,018 4.3 26,164 16.0 2,872 #MERICAN SAMOA -0000- TRUST TERRITORY 28,616 39.6 16,416 20.0 16,228 27.5 -0- DISTRICT OF COLUMBIA 38,605 15.7 35,987 14.6 34,625 14.1 35,710 | | | | | | | | | 2,8 |
| #TONING 86,011 52.5 7,018 4.3 26,164 16.0 2,872 #MERICAN SAMOA -000000000- | | 755,115 | 28.8 | 133,157 | | | 12.2 | 67,618 | 2.6 |
| AMERICAN SAMUA -000000 | | 86,011 | 52.5 | 7,018 | 4.3 | 26,164 | | | 1.7 |
| DISTRICT OF CO. 9MBIA 38,605 15.7 35,987 14.6 34,625 14.1 35,710 | SAMOA | -0- | | | | | 777 | | 0.0 |
| 20 010 1 00 0 | | | | 14,416 | | | | | 14.5 |
| | OF CO. SAMPLY | 8,500 | 8.5 | 8,500 | 8.5 | 20,010 | 20.0 | | 6.9 |
| PUERTO RICO 474,021 51.2 39,453 4.3 45,779 4.9 -0- | *1C0 | | | | | | | -0- | 0,0 |
| FURGIN ISLANDS 14,285 14.3 14,285 4.3 14,285 14.3 14,285 | | | | | | | | 14,285 | 14.3 |

[#]Estimated.



BEST COPY AVAILABLE
Table 4. Federal and State-local funds expended for materials and equipment under NDEA title III in seven academic subject areas: Fiscal year 1971 - Continued

| tate or other orea | English and | i reading | Arts and hum | anities | Industrial | Total expenditures | |
|--------------------------------------|---------------------|--------------|------------------|-------------|------------------------|-----------------------|------------------------|
| .30: | Cost | Percent | Cost | Percent | Cost | Percent | Cost |
| (10) | \$24,427,805 | 27.9 | \$4,790,857 | 5.5 | (15) \$10,085,879 | (16) | \$87,488,063 |
| | | | | | | | |
| ALASKA | 1,004,102 | 43.9 | 27,371 | 1.2 | 143,719 | 6.3 | 2,287,998 |
| ARIZONA | 398,498 | 40.3 | 8,124 | <u>n. 8</u> | 156,871 | 15.8 | 989,612 |
| ARKANSAS | 481,604 | 39.1 | -0- | 0.0 | -0- | 00.0 | 1,231,051 |
| CALIFORNIA | 1,980,144 | 26.6 | 499,937 | 6.7 | 884,670 | 11.9 | 7,439,560 |
| COLORADO | 284,025 | 25.0 | 29,705 | 2.6 | 49,663 | 4.4 | 1,136,647 |
| CONN ECT I CUT | 280,057 | 29.9 | 67,771 | 7.2 | 14,326 | 1.5 | 937,238 |
| DELAWARE | 26,058 1,532,857 | 13.3 | 14,446 | 7.3 | 13,475 88,532 | 6,9 3,4 | 196,235 2,565,589 |
| FLORIDA GEORGIA | 660,598 | 59.5 34.0 | 60,448 38,859 | 2.7 | 155,435 | 3.0 | 2, 101, 10 |
| | 5:1 (10) | 11.0 | 20 701 | | 40.444 | | 700 000 |
| HAWA I I | 557,640 179,074 | 71.2 | 28,705 26,491 | 6.1 | 48,644 | 12.0 | 782,828 437,526 |
| ILLINOIS | 1,847,612 | 26.1 | -0- | 0.0 | 1,529,565 | 21.6 | 7,077,466 |
| INDIANA | 591,867 | 24.5 | 131,526 | 5.5 | 382,400 | 15.8 | 2,416,181 |
| IOWA | 439,391 | 26.0 | 115,108 | 6.8 | 283,593 | 16.7 | 1,692,494 |
| KANSAS | 337,215 | 28.2 | 99,585 | 8.3 | 160,397 | 13.4 | 1,197,421 |
| KENTUCKY | 243, 324 | 41,2 | 45,757 | 7.7 | 24,130 | 4.1 | 590,948 |
| LOUISIANA | 31,784 | 29.7 | 3,543 | 3.3 | 7,869 | 7.3 | |
| MAIRE | 6,452 | 13.0 | -0- | 0.0 | 19,147 | 38.7 | 49,498 |
| MARYLAND | 267,747 | 21.8 | -0- | 0.0 | 72,967 | 5.9 | 1,231,02 |
| HASSACHUSETTS | 356,624 | 17.3 | 203,538 | 9.9 | 369,685 | 17.9 | 2,063,221 |
| MICHIGAN | 1,233,936 | 23.5 | 240,904 | 4.6 | 625,266 | 11.9 | 5,249,202 |
| NINNESOTA NISSISSIPPI | 531,420 | 26.0 | 77,108 | 6.5 | 330,487 | 16.2 5.7 | 2,044,497 1,179,350 |
| MISSOURI | 287,430 551,265 | 24,4 25,3 | 186,782 | 8.6 | 221,539 | 10.2 | 2,174,900 |
| MORTANA | 101,219 | 25.5 | -0- | 0.0 | 52,021 | 13.1 | 397,310 |
| HEBWASKA | 170,402 | 24.9 | -0- | 0.0 | 25,893 | 3.8 | 684,20 |
| MEVADA | 65, 519 | 45.0 | -0- | 0.0 | 4,641 | 3.2 | 145,465 |
| NEW HAMPSHIRE | 19,456 | 25.9 | 96 | 0.1 | -0- | 0,0 | 75,188 |
| HEW JERSEY | 344,186 | 18.8 | 273,680 | 15.0 | 106,691 | 5.8 | 1,826,121 |
| NEW MEXICO | 75,375 | 41,7 | 19,374 | 10.7 | 11,043 | 6.1 | 180,729 |
| MEM YORK | 1,364,905 | 26.9 | 557,449 | 11.0 | 562,545 | 0.8 | 5,067,25 |
| NORTH CAROLINA NORTH DAKOTA | 452,633 49,354 | 33.6 11.8 | 48,057 -0- | 0.0 | 10,614 | 3.4 | 1,347,210 |
| 0110 | 1,428,325 | 27.9 | 209,897 | 4.1 | 1,049,486 | 20.5 | 5,119,44 |
| ORLAHOMA | 510 NVI | 40.1 | 153,699 | 12,0 | 57,638 | 4.5 | 1,280,824 |
| OREGON | 512,841 312,392 | 19.0 | 187,919 | 10.8 | 176,357 | 10.1 | 1,747,98 |
| PENNSYLVANIA | 752,013 | 16.2 | 342,595 | 7.0 | 571,451 | 11.7 | 4,894,42 |
| RHODE ISLAND | 51,468 | 14.2 | -0- | 0.0 | 29,921 | 8.3 | 362,18 |
| SOUTH CAROLINA | 603,167 | 33.8 | 43,276 | 2.4 | 28,502 | 1.6 | 1,784,39 |
| SOUTH DATOTA | 76,937 | 19.0 | -0- | 0.0 | 59,711 | 14.7 | 405, 26 |
| TENNESSEE | 657,390 | 30.0 | 136,535 | 6.2 | 174,436 | 8.0 | 2,189,55 |
| TEXAS | 1,078,569 | 38.3 | 209,564 | 7.4 6.3 | 159,867 44,610 | 5.7 5.8 | 2,812,25 765,49 |
| UTAH VERMON [†] | 174,852 16,896 | 26.4 | -0- | 0.0 | 12,368 | 19.4 | 63,96 |
| | | | | | | | |
| VIRGINIA WASHINGTON | 298,325 | 20.6 | 186,089 | 0.0 12.5 | 369,531 112,423 | 17.0 7.5 | 2,169,42 1,490,84 |
| WEST VIRGINIA | 252,926 | 31.3 | 80,113 | 9.9 | 35,761 | 4.4 | 808,66 |
| WISCONSIN | 601,525 | 23.0 | 319,805 | 12.2 | 423,349 | 16.1 | 2,620,08 |
| WYOMING | 38,659 | 23.6 | -0- | 0.0 | 3,198 | 1.9 | 163,92 |
| AMERICAN SAMOA | -0- | | -0- | • | -0- | 12.4 | -()- |
| TRUST TERRITORY DISTRICT OF COLUMBIA | 70,034 | 1.6 28.4 | -0- | ** | 11,772 31,178 | 16.3 | 72,22 |
| GUAN COLOMBIA | 47,560 | 47.5 | | | 8,550 | 8.6 | 100,00 |
| PUERTO RICO | 127,430 | 43.8 | 32,319 | 3.5 | 206,844 | 22.3 | 925,84 |
| FYIRGIN ISLANDS | 14,230 | 14.3 | 14,285 | 14.3 | 14,285 | 14.2 | 100,000 |
| Bureau of Indian | | | | | | | |

^{*}Estimated

